Bala Wande
Calculating with Confidence

3

Ikota 1 | Term 1

IMathematika
Mathematics

INcwadi Yomfundi Yemisebenzi
Learner Activity Book

IsiXhosa | English

Le ncwadi sisiqhamo sentsebenziswano phakathi kweqela elibizwa ngokuba yi*Bala Wande–Magic Classroom Collective team* kunye neqela lokuqinisekisa elenziwe ngabantu-ngabantu abakwiiyunivesithi eziliqela ezahlukeneyo, imibutho engalawulwa ngurhulumente (NGOs) esebenza ngemathematika kwakunye neSebe leMfundo esiSiseko. Ezi zixhobo zokufunda zithathela kwiincwadi zemisebenzi eziqulunqwe liSebe leMfundo esiSiseko nakuphindaphindo lwezicwangciso zezifundo (GPLMS, Jika iMfundo, NECT neTMU). Iibhokisi zezixhobo zokusebenza ngobuchule zeBala Wande zayilwa ngokucebisana nabakwaJade Education. Ezi bhokisi zinezixhobo zodidi oluphezulu eziyinxalenye ebalulekileyo yenkqubo yokufundisa nokufunda.

The development of this workbook was carried out by the collaborative *Bala Wande–Magic Classroom Collective team* in consultation with a reference team made up of individuals from several universities, mathematics NGOs and the Department of Basic Education. These materials draw on the DBE workbooks and existing iterations of lesson plans (GPLMS, Jika iMfundo, NECT and TMU). The Bala Wande manipulative boxes were designed in consultation with Jade Education. The boxes provide high quality materials which are an integral part of the teaching and learning programme.

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IZIQULATHO ⋮ CONTENTS

Ukusebenzisa incwadi yemisebenzi yabafundi yeBala Wande

Le ncwadi yemisebenzi yabafundi inemisebenzi elungiselelwe iintsuku ezingama-50 zokufundisa kwikota yoku-1. Kukho imisebenzi yophuhliso lwengqiqo, imisebenzi yomfundi ngamnye kwakunye nemidlalo apho abafundi baya kudlala ngababini okanye ngokwamaqela. Iimpendulo zale misebenzi zingabhalwa kwakule ncwadi.

Imisebenzi ekule ncwadi ibhalwe ngeelwimi ezimbini. Siyathemba ukuba ukusebenzisa iilwimi ezimbini kuya kubanceda abafundi bafunde baze bawaqhele amagama emathematika ngolwimi lwabo lwasekhaya nangesiNgesi. Ukwenza njalo kuya kubaxhobisa bakulungele ukufunda imathematika ubomi babo bonke.

Ukuba abafundi bathi gqolo ukwenza imisebenzi yabo yonke imihla ngazo zonke iikota, baya kuyigqiba yonke ikharityhulam yemathematika yonyaka. Siyathemba ukuba le misebenzi ilapha iya kuba yindlela enoyolo yokubanceda ekufumaneni ulwazi lwemathematika olusisiseko.

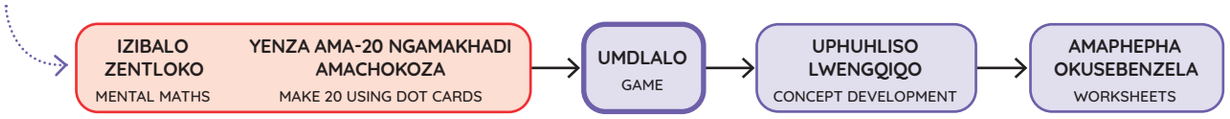
Ukuqala kosuku ngalunye olutsha kuboniswe ngebhanile emfusa.

IVEKI • WEEK 1

USUKU 1 • DAY 1

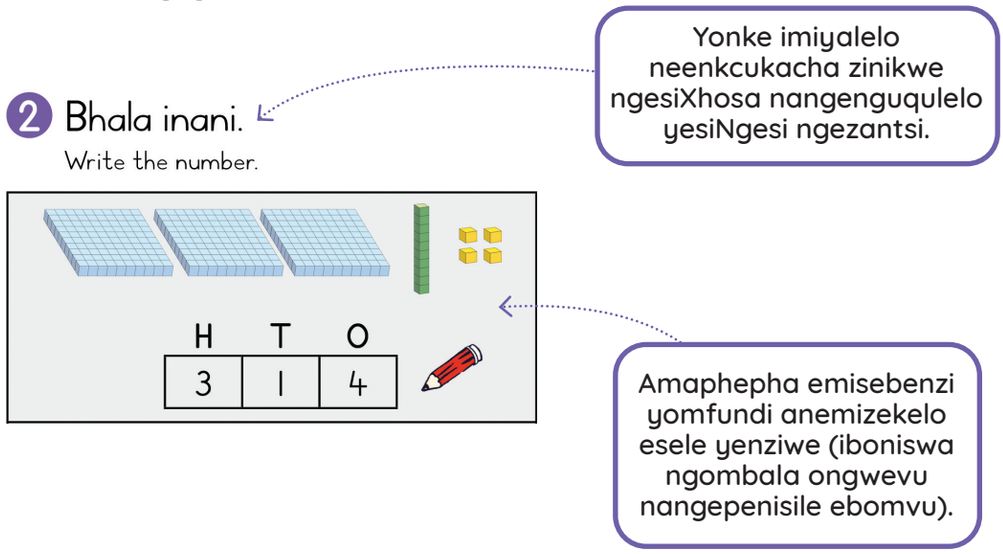
Amanani ukuya kwi-100
Numbers up to 100

Ngezantsi kwebhanile kukho iflowutshathi eshwankathela ukulandelelana kwemisebenzi yolo suku.



Izibalo zentloko ziya kuba ngumsebenzi wokuqala yonke imihla. Lo msebenzi uya kukhokelwa ngutitshala.

Onke amanye amaphepha asencwadini alungiselelwe abafundi ukuba basebenzele kuwo ngokunokwabo okanye ngokwamaqela kodwa bekhokelwa kwaye bencediswa ngutitshala.
La maphepha ingangamaphepha okusebenzela okanye imidlalo eyenzelwe ukubethelela isigama esifundiswe ngolo suku. Imidlalo iboniswe ngokusebenzisa iikhathuni okanye oopopayi ukubonisa indlela omawudlalwe ngayo umdlalo.



Usuku lwesi-5 lweveki nganye lulungiselelwe uqukaniso novavanyo.

Using the Bala Wande Learner Activity Book

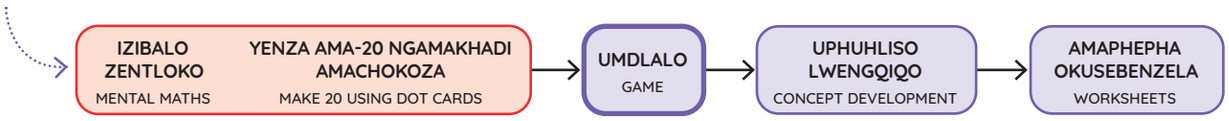
This Learner Activity Book has activities planned for 50 days of teaching in Term 1. There are concept development activities, individual learner activities and games for learners to play in pairs and groups. Answers to the activities can be written in this book.

The material is presented using a bilingual format. We hope that presenting the activities in two languages will help learners to become familiar with maths words in both their home language and in English. This will equip them for lifelong learning of maths.

If learners work systematically through these workbook-style activities every day and every term, they will cover the whole maths curriculum for the year. We hope that these activities will be a fun way to help them acquire foundational maths knowledge.

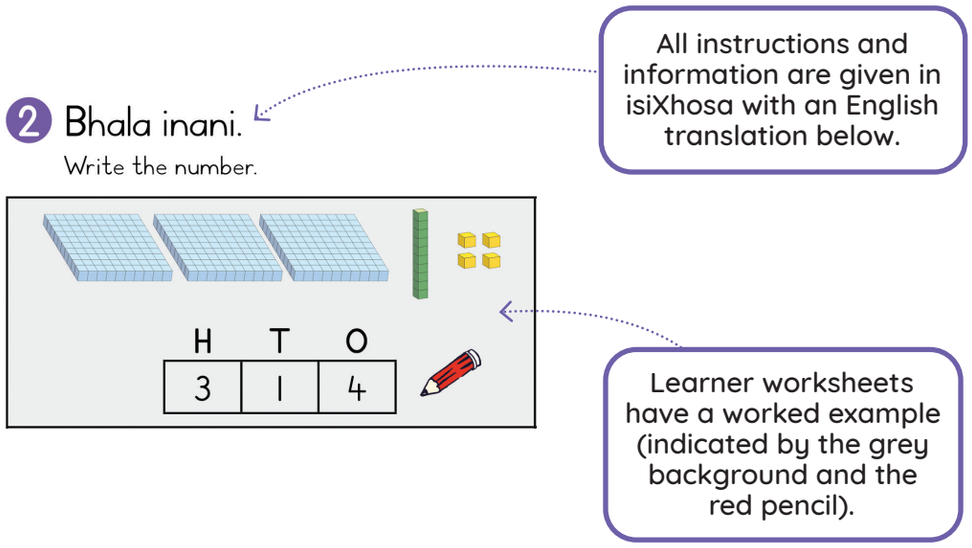
The start of each new day is shown with a purple banner.

Underneath the banner is a flow diagram that summarises the sequence of activities for the day.



Mental Maths is the first activity every day. The teacher will lead this activity.

All the other pages in the book are for learners to work on independently or in groups with guidance and support from the teacher. They may be worksheets or games, for consolidation of the concepts covered that day. Games are presented using cartoons of learners to show how the game should be played.



Day 5 of each week is planned for consolidation and assessment.

Amanani ukuya kwi-100
Numbers up to 100

IZIBALO ZENTLOKO
MENTAL MATHS

YENZA AMA-20 NGAMAKHADI AMACHOKOZA
MAKE 20 USING DOT CARDS

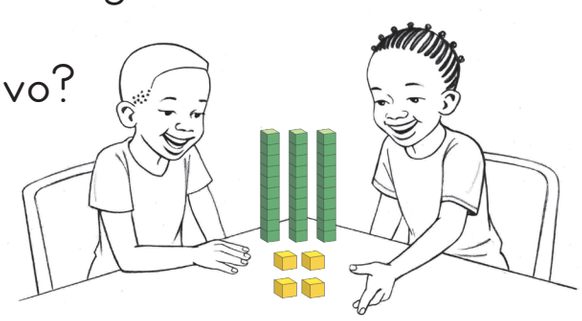
→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

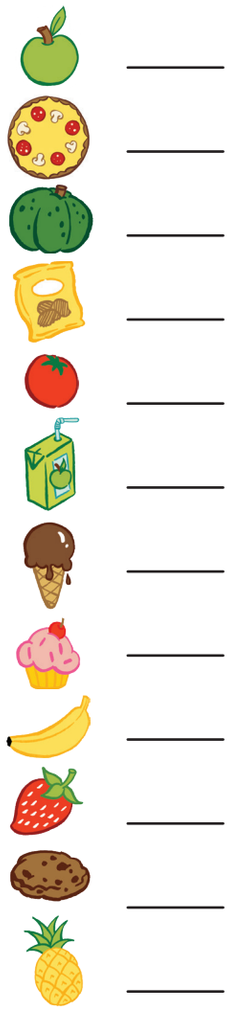
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

Umdlalo: Mangaphi ama-10? Mingaphi imivo?
Game: How many 10s? How many 1s?

- Sebenzani ngababini. Yakhani inani ngeebloko zenu.
  Work in pairs. Build a number using your blocks.
- Mangaphi ama-10? Mingaphi imivo?
  How many 10s? How many 1s?
- Leliphi inani?
  What number?



1 Funa amanani afihlwe yimifanekiso.
Find the numbers that these objects are covering.



1	2	3							10
11									
21									
31									
61									
81									

2 Zalisa ngala manani:

Fill in all the numbers with:

amashumi ama-2 2 tens	amashumi ama-4 4 tens	imivo esi-7 7 ones
imivo emi-5 5 ones	amashumi asi-8 8 tens	imivo esi-9 9 ones

1	2	3							10
11									
21									
31									
61									
81									

Sebenzisa iibloko zesiseko se-10 zikuncede ubhale izivakalisi manani.

Use your base 10 blocks to help you write these number sentences.

3 Bhala ama-10 nemivo.

Write the 10s and 1s.

18	=	10	+	8
56	=		+	
21	=		+	
48	=		+	
99	=		+	

43	=		+	
27	=		+	
74	=		+	
68	=		+	
39	=		+	

Inani i-100
The number 100

IZIBALO ZENTLOKO
MENTAL MATHS

YENZA AMA-20 NGAMAKHADI AMACHOKOZA
MAKE 20 USING DOT CARDS

→ UMDLALO
GAME

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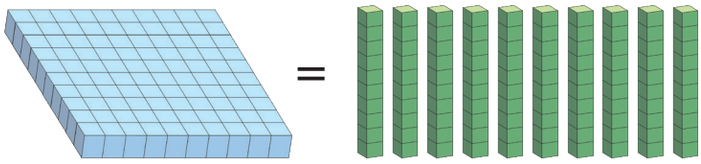
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS



i-100 elinye
one 100

ama-10 alishumi
ten 10s

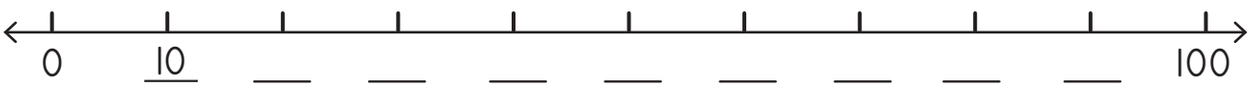
Ikhulu elinye lilingana nama-10 alishumi. Singasebenzisa ama-10 ukwenza i-100.

One 100 is equal to ten 10s. We can use 10s to make 100.

1 Zingaphi ezinokwenza i-100?
How much to make 100?

10 + 90 = 100	30 + ____ = 100	60 + ____ = 100
40 + ____ = 100	100 + ____ = 100	20 + ____ = 100
90 + ____ = 100	50 + ____ = 100	80 + ____ = 100
70 + ____ = 100	0 + ____ = 100	

2 Bala ngama-10. Phawula umgcamanani.
Count in 10s. Label the number line.

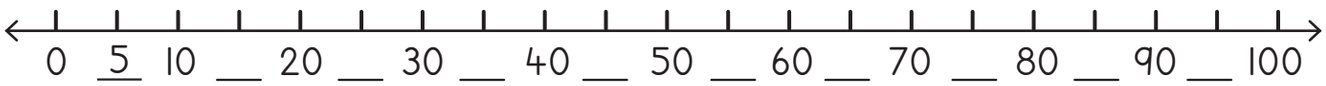


3 Gqibezela izivakalisi manani.
Complete the number sentences.

10 + 40 = 50	100 – 60 = 40	50 + 30 = ____
30 – 10 = ____	20 + 70 = ____	90 – 50 = ____
30 + 70 = ____	100 – 20 = ____	10 + 80 = ____
70 – 30 = ____	60 + 40 = ____	60 – 10 = ____

4 Bala ngezi-5. Phawula umgcamanani.

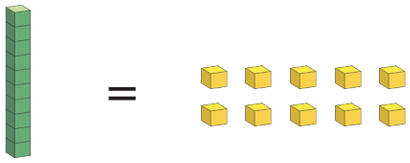
Count in 5s. Label the number line.



5 Gqibezela izivakalisi manani.

Complete the number sentences.

10 + 5 = 15	30 – 5 = 25	40 + 5 = ____
70 – 5 = ____	80 + 5 = ____	50 – 5 = ____
60 + 10 = ____	80 – 5 = ____	95 + 5 = ____
100 – 5 = ____	85 + 15 = ____	100 – 50 = ____



i-10 elinye
one 10

=

imivo elishumi
ten 1s

I-10 elinye lilingana nemivo elishumi. Siyakwazi ukubala ngama-10 nangemivo.

One 10 is equal to ten 1s. We can count in 10s and 1s.

6 Gqibezela ezi patheni zilandelayo.

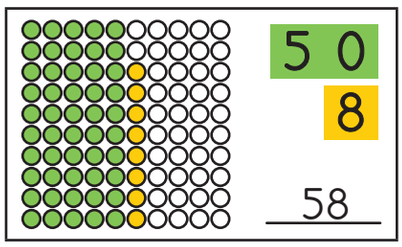
Complete the following patterns.

67	68	69	70	71	72	73
40		60	70		90	
83	84			87		
100		98	97		95	
90		70		50	40	
43	42			39	38	

USUKU 3 • DAY 3

Ubhalo olwandisiweyo ngama-10
Expanded notation with 10s

IZIBALO ZENTLOKO — MENTAL MATHS
YENZA AMA-20 NGAMAKHADI AMACHOKOZA — MAKE 20 USING DOT CARDS
→ UMDLALO — GAME
→ UPHUHLISO LWENGQIQO — CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA — WORKSHEETS

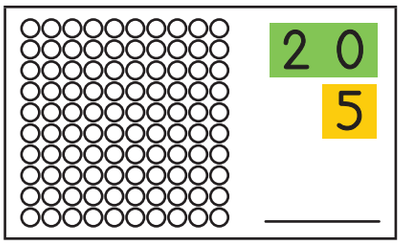


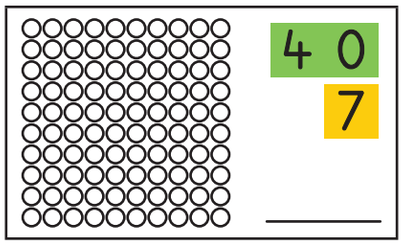
Ikholam enye inezangqa ezili-10. Sebenzisa imibala eyahlukileyo kuma-10 nakwimivo.

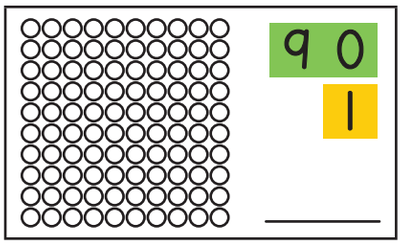
There are 10 circles in one column. Use a different colour for the 10s and the 1s.

1 Fakela imibala kwizangqa uze ubhale inani.

Colour the circles and write the number.







2

	Mangaphi ama-10? How many 10s?	Mingaphi imivo? How many 1s?		Mangaphi ama-10? How many 10s?	Mingaphi imivo? How many 1s?
58	5	8	47		
25			91		
39			62		
74			86		

3 Bhala isivakalisi manani.

Write the number sentence.

60 8 60 + 8 = 68	80 6 _____	50 3 _____
70 1 _____	90 5 _____	60 9 _____

4 Biyela ngesangqa elona nani likhulu.

Circle the biggest number.

208 28	402 42	204 24
108 18	801 81	808 88
503 53	301 31	305 35

5 Biyela ngesangqa elona nani lincinci.

Circle the smallest number.

106 16	606 66	601 61
403 43	304 34	303 33
702 72	707 77	207 27

6 Mangaphi ama-10? Mingaphi imivo? Bhala isivakalisi manani negama lenani.

How many 10s? How many 1s? Write the number sentence and number name.

14 = 10 + 4	iishumi elinesine	fourteen
23 = ____ + ____		
32 = ____ + ____		
51 = ____ + ____		
87 = ____ + ____		
99 = ____ + ____		

Ukuthelekisa nokucwangcisa amanani ukuya kwi-100
Comparing and ordering numbers up to 100

IZIBALO ZENTLOKO
MENTAL MATHS

YENZA AMA-20 NGAMAKHADI AMACHOKOZA
MAKE 20 USING DOT CARDS

→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

Gqibezela iitheyibhile. Ungasebenzisa isikwere se-100 kwiphepha le-113 sikuncede ukuba uyathanda.

Complete the tables. Use the 100 square on page 113 if you need help.

1

	inani eliphambi kwama- the number before	inani eliza emva kwama- the number after		inani eliphambi kwama- the number before	inani eliza emva kwama- the number after
55	54	56	73		
91			87		

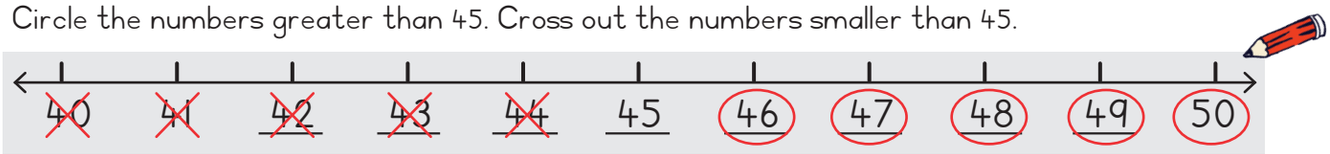
	lingaphezulu ngo-1 kunama- 1 more than	lingaphezulu ngezi-2 kunama- 2 more than	lingaphantsi ngo-1 kunama- 1 less than	lingaphantsi ngezi-2 kunama- 2 less than
67	68	69	66	65
42				
38				
36				

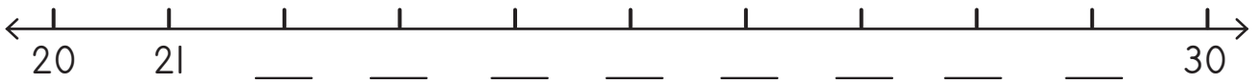
Ngubani inani eliphakathi kwala?
What is the number between?

ama-56 nama-58 56 and 58	57	ama-37 nama-39 37 and 39	
ama-42 nama-44 42 and 44		ama-85 nama-87 85 and 87	

2 Biyela ngesangqa amanani angaphezulu kunama-45. Beka u-X kumanani angaphantsi kunama-45.

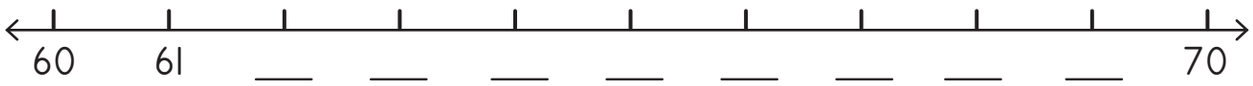
Circle the numbers greater than 45. Cross out the numbers smaller than 45.





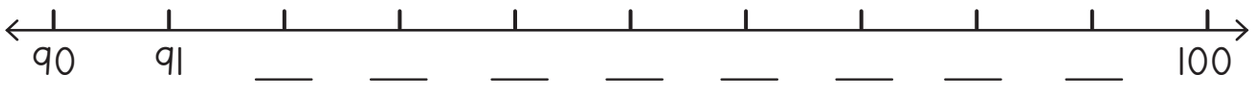
Biyela ngesangqa amanani angaphezulu kunama-25. Beka u-X kumanani angaphantsi kunama-25.

Circle the numbers greater than 25. Cross out the numbers smaller than 25.



Biyela ngesangqa amanani angaphezulu kunama-67. Beka u-X kumanani angaphantsi kunama-67.

Circle the numbers greater than 67. Cross out the numbers smaller than 67.



Biyela ngesangqa amanani angaphezulu kunama-93. Beka u-X kumanani angaphantsi kunama-93.

Circle the numbers greater than 93. Cross out the numbers smaller than 93.

3 Cwangcisa amanani uqale ngelona lincinci uye kwelona likhulu.

Order the numbers from smallest to greatest.

69, 45, 78, 54	45, 54, 69, 78
91, 19, 99, 92	
33, 73, 13, 37	

4 Cwangcisa amanani uqale ngelona likhulu uye kwelona lincinci.

Order the numbers from greatest to smallest.

69, 45, 78, 54	78, 69, 54, 45
91, 19, 99, 92	
33, 73, 13, 37	

Uqukaniso
Consolidation

IPHEPHA LOKUSEBENZELA WORKSHEET → IPHEPHA LOKUSEBENZELA WORKSHEET

1 Sebenzisa isikwere se-100 ufakele amanani:
Use the 100 square to fill in all the numbers with:

isi-3 kwindawo yemivo. 3 in the 1s place.	u-1 kwindawo yama-10. 1 in the 10s place.
isi-4 kwindawo yemivo. 4 in the 1s place.	isi-5 kwindawo yama-10. 5 in the 10s place.
isi-8 kwindawo yemivo. 8 in the 1s place.	isi-9 kwindawo yama-10. 9 in the 10s place.

1	2	3							10
11									
21									
31									
61									
81									

2

	Mangaphi ama-10? How many 10s?	Mingaphi imivo? How many 1s?		Mangaphi ama-10? How many 10s?	Mingaphi imivo? How many 1s?
24			55		
79			92		

Masithethe ngeMaths!
Let's talk Maths!

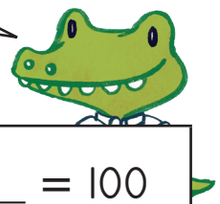
NgesiXhosa sithi:	In English we say:
ama-10 nemivo	10s and 1s
ixabiso lendawo	place value
Ama-67 ngama-10 amathandathu nemivo esixhenxe.	67 is six 10s and seven 1s.
i-10 yimivo elishumi.	10 is ten 1s.
i-100 ngamashumi ali-10.	100 is ten 10s.
likhulu kuna-, lincinci kuna-	greater than and smaller than
elona likhulu nelona lincinci	greatest and smallest

3 Kufuneka ezingaphi ukuze wenze i-100?

How much to make 100?

Sebenzisa isikwere se-100, oonotsheluza okanye iibloko zakho zesiseko se-10 ukuba uyafuna.

Use your 100 square, flard cards or base 10 blocks if you want to.



20 + ____ = 100	50 + ____ = 100	80 + ____ = 100
90 + ____ = 100	70 + ____ = 100	100 + ____ = 100

4 Bhala isivakalisi manani ubonise ama-10 nemivo.

Write a number sentence to show 10s and 1s.

80 2 _____	20 7 _____	90 1 _____
30 5 _____	40 8 _____	60 6 _____

5 Gqibezela ezi patheni zilandelayo.

Complete the following patterns.

60	50		30		10	
15		17	18	19		

6 Mangaphi ama-10? Mingaphi imivo? Bhala isivakalisi manani negama lenani.

How many 10s? How many 1s? Write the number sentence and the number name.

39 = ____ + ____		
56 = ____ + ____		
71 = ____ + ____		
42 = ____ + ____		
95 = ____ + ____		
68 = ____ + ____		

IVEKI • WEEK 2

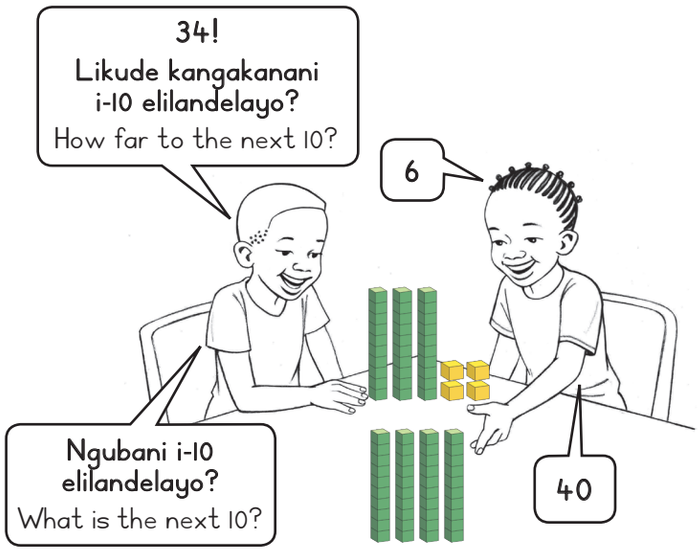
USUKU 1 • DAY 1

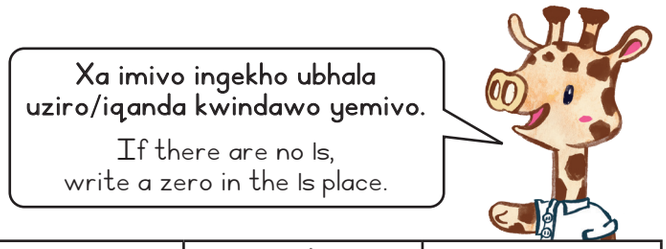
Amanani angaphezulu kune-100
Numbers greater than 100

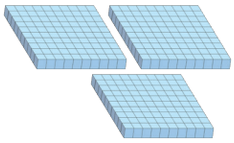
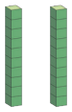
IZIBALO ZENTLOKO
MENTAL MATHS
DIBANISA UZE UTHABATHE IZIPHINDWA ZE-10
ADD AND SUBTRACT MULTIPLES OF 10
→ UMDLALO
GAME
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

Umdlalo: Likude kangakanani i-10 elilandelayo?
Game: How far to the next 10?

- Sebenzani ngababini.
  Work in pairs.
- Khetha inani.
  Choose a number.
- Ngubani i-10 elilandelayo?
  What is the next 10?
- Likude kangakanani i-10 elilandelayo?
  How far to the next 10?
- Phinda kwakhona!
  Do it again!

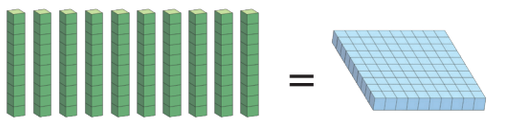




amakhulu hundreds	amashumi tens	imivo ones
		
3	2	0

amakhulu amathathu anamashumi amabini
three hundred and twenty

imivo elishumi = i-10 elinye
ten 1s = one 10



ama-10 alishumi = i-100 elinye
ten 10s = one 100

1 Bonisa la manani ngeebloko zesiseko se-10.
Show these numbers using base 10 blocks.

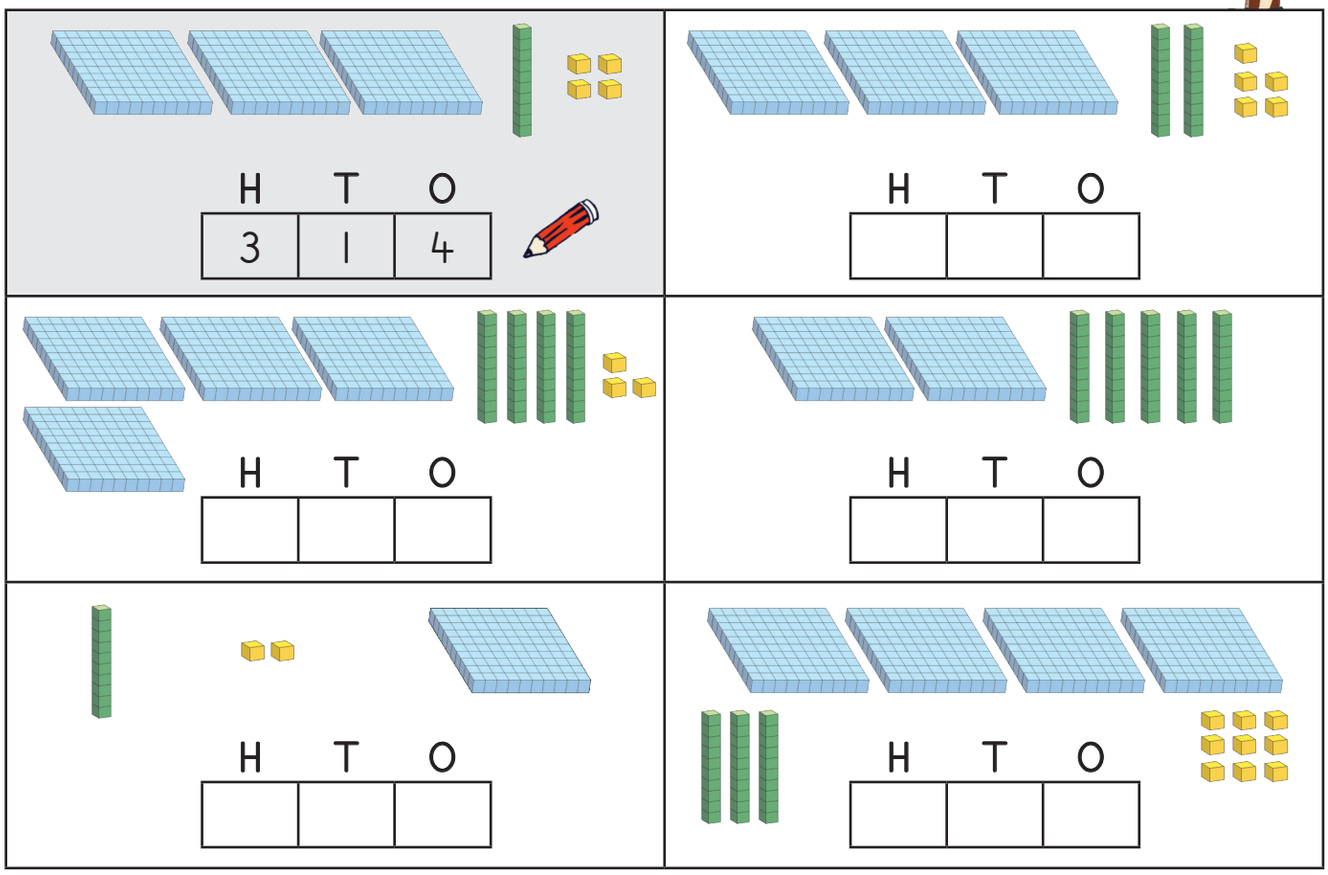
137	423	110	495	356	299

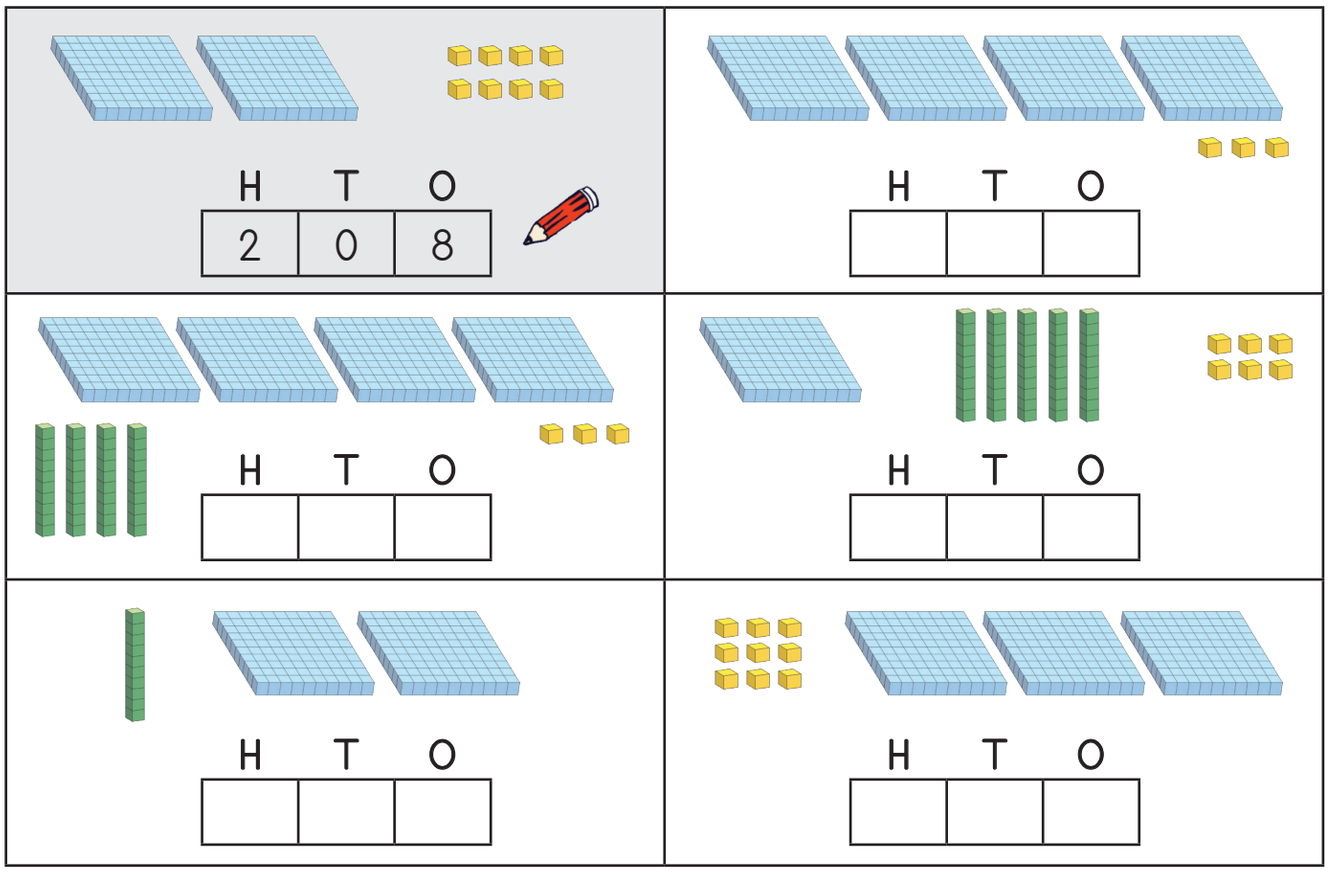
2 Bhala inani.

Write the number.

Xa ungenawo ama-10 bhala uziro endaweni yama-10.

Remember, if there are no 10s, write a zero in the 10s place.





Iziphindwa ze-10
Multiples of 10

IZIBALO ZENTLOKO
MENTAL MATHS

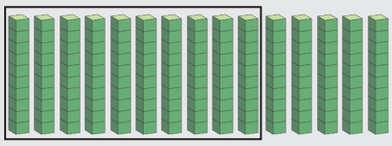
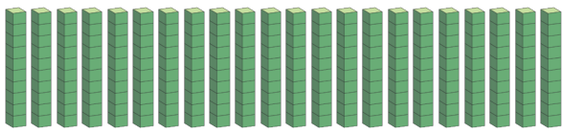
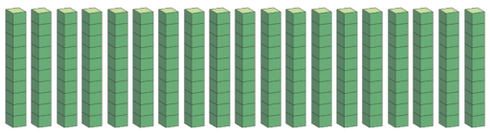
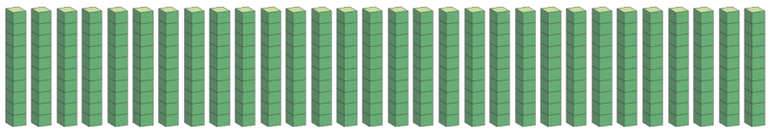
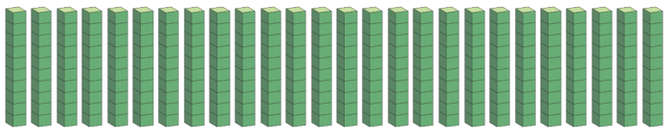
DIBANISA UZE UTHABATHE IZIPHINDWA ZE-10
ADD AND SUBTRACT MULTIPLES OF 10

→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

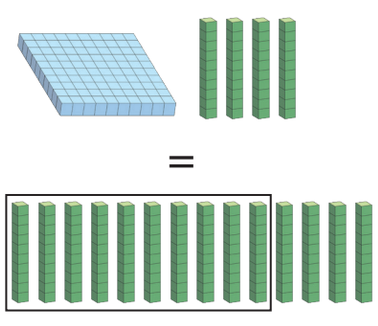
1

	Mangaphi ama-10? How many 10s?	Ngubani inani? What number?
	15	150
		
		
		
		

2 Mangaphi amashumi?
How many tens?

	amashumi tens
140	14
320	
490	
280	
430	
370	

Bonisa amanani ngeebloko zesiseko se-10. Uza kubona ukuba i-140 ngamashumi ali-14.
Show the numbers using base 10 blocks. You can see 140 is 14 tens.



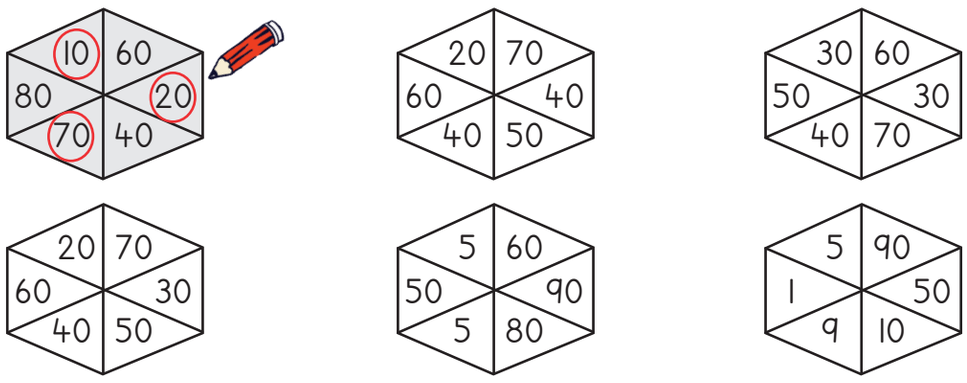
3 Zingaphi eziza kwenza i-100?

How much to make 100?

80 + 20 = 100	60 + ____ = 100	40 + ____ = 100
50 + ____ = 100	10 + ____ = 100	30 + ____ = 100
20 + ____ = 100	90 + ____ = 100	70 + ____ = 100

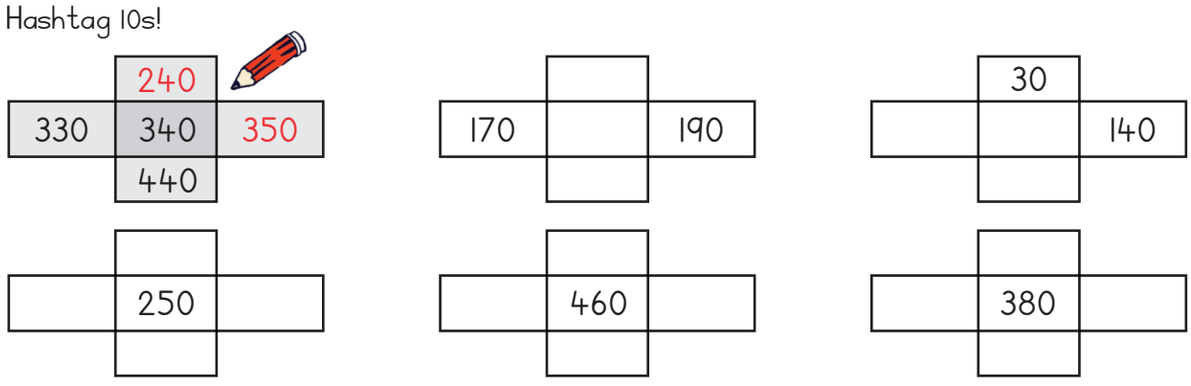
4 Kwimilo nganye biyela ngesandla amanani ama-3 enza i-100 xa edibene.

Circle 3 numbers that add up to 100 in each shape.



5 Heshthegi ama-10!

Hashtag 10s!



6 Gqibezela iipatheni zama-10.

Complete the 10s patterns.

110, 120, 130, 140, 150, 160, 170, ____

340, 350, ____, ____, ____, ____, 400, ____

230, 220, 210, ____, ____, ____, 170, ____

300, ____, ____, ____, ____, 250, 240, ____

Amanani ukuya kuma-500
Numbers up to 500

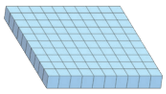
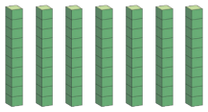
IZIBALO ZENTLOKO
MENTAL MATHS

DIBANISA UZE UTHABATHE IZIPHINDWA ZE-10
ADD AND SUBTRACT MULTIPLES OF 10

→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

amakhulu hundreds	amashumi tens	imivo ones
		
100	70	6

176

H	T	O
1	7	6

Singasebenzisa noonotsheluza ukubonisa amanani amivo mi-3. Jonga indlela esibonisa ngayo inani i-176.

We can use flard cards to show 3-digit numbers. Look at how to show the number 176.

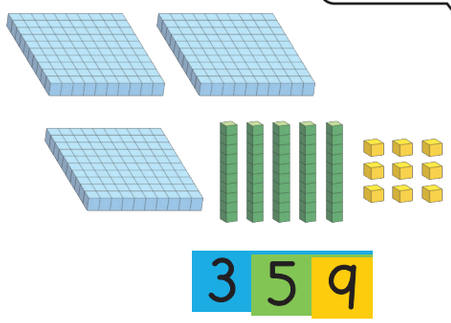
1 Bonisa ngoonotsheluza nangeebloko zesiseko se-10.

Show with flard cards and base 10 blocks.

421	115	297
426	352	283

Wenza ngolu hlobo! Bonisa ama-359.

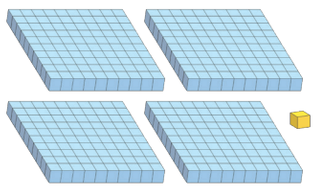
This is how you do it! Show 359.



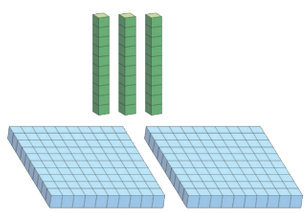
359

Bonisa ama-401 nama-230. Uqaphele ooziro kwindawo yama-10 neyemivo.

Show 401 and 230. Look out for zeros in the 10s and 1s place.



401



230

2 Bonisa ngoonotsheluza nangeebloko zesiseko se-10.

Show with flard cards and base 10 blocks.

101	250	405	208	360	500

3 Bhala inani.

Write the number.

5 100 20 H T O 1 2 5	200 8 90 H T O	70 400 2 H T O
200 5 H T O	4 100 H T O	60 300 H T O
7 80 H T O	8 200 H T O	400 90 H T O
400 8 H T O	5 300 H T O	10 100 H T O

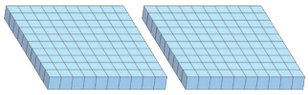
4 Biyela ngesangqa amanani enza inani elingasentla.

Circle the numbers that make the number at the top.

2 3 1 300 200 30 20 2 1	4 2 5 5 40 20 4 500 400	2 7 0 20 7 2 70 200 700
3 1 5 100 300 50 30 10 5	1 0 6 60 100 6 0 10 1	4 0 3 300 400 30 40 10 3
2 6 1 600 200 20 60 1 2	3 9 5 50 90 900 500 300 5	2 0 7 200 70 2 20 7 700

Amanye amanani ukuya kuma-500
More numbers up to 500

IZIBALO ZENTLOKO – MENTAL MATHS: DIBANISA UZE UTHABATHE IZIPHINDWA ZE-10 – ADD AND SUBTRACT MULTIPLES OF 10 → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

amakhulu hundreds	amashumi tens	imivo ones
		
2	0	1

amakhulu amabini anaye
two hundred and one

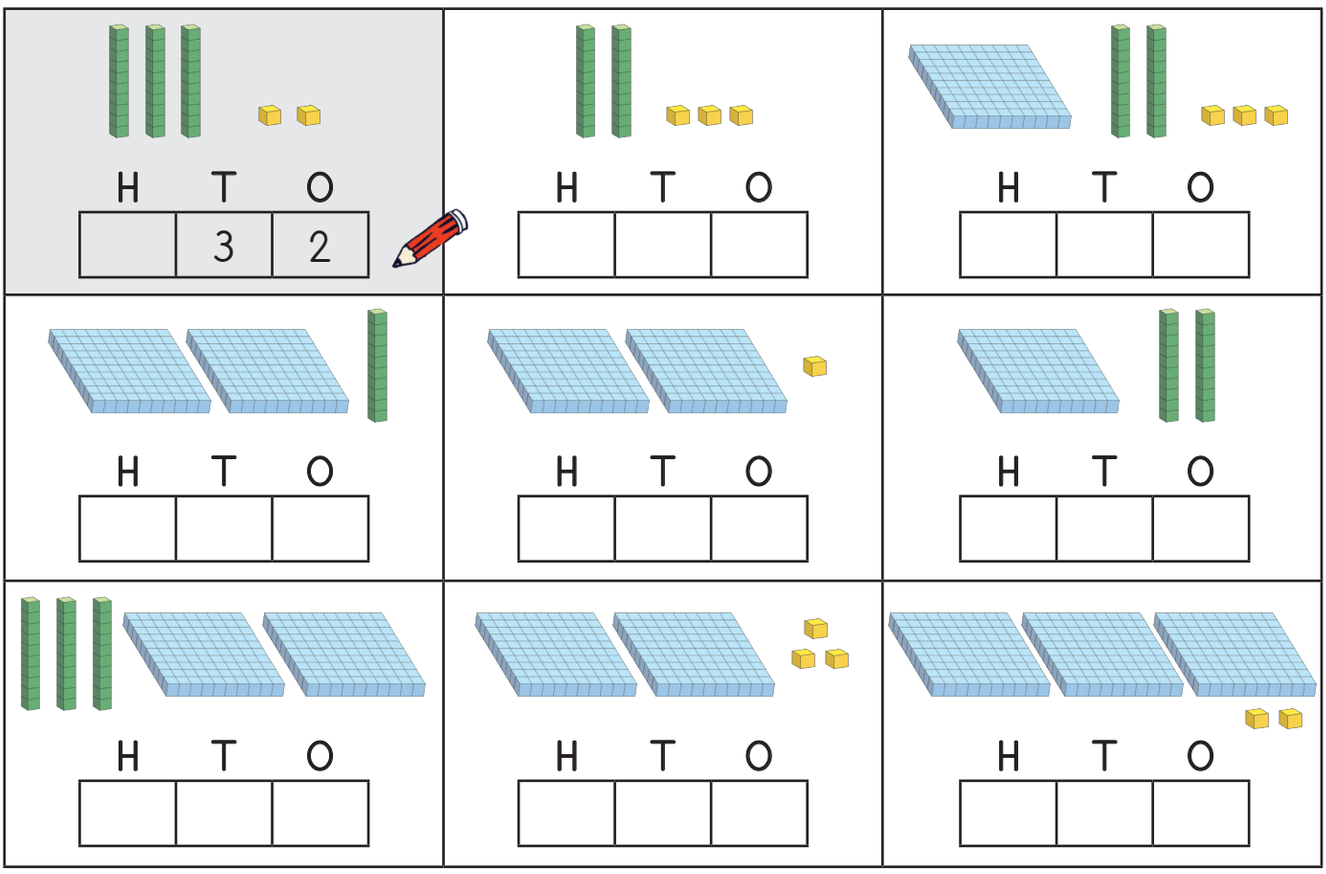
imivo eli-10 = ishumi eli-1
10 ones = 1 ten

amashumi ali-10 = ikhulu eli-1
10 tens = 1 hundred

1 Bonisa inani ngeebloko zesiseko se-10.
Show the number using base 10 blocks.

305	220	355	409	184	506

2 Bhala inani.
Write the number.



3 Biyela ngesangqa amanani achanekileyo kumgca ngamnye.

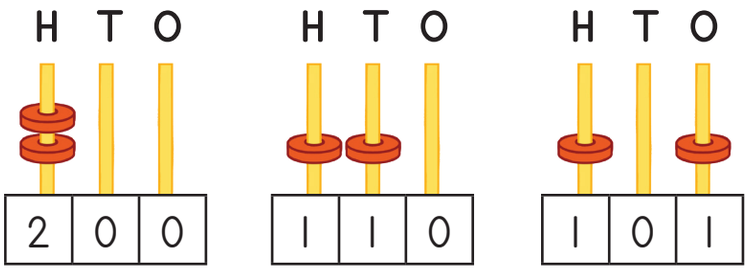
Circle the suitable numbers in each row.

Kukho amakhulu amathathu. There are three hundreds.	130	310	403	103	318	133	301
Akukho makhulu. There are zero hundreds.	500	100	80	99	401	75	109
Ayikho imivo. There are zero ones.	301	400	410	320	20	101	202
Kukho umvo omnye. There is one one.	101	11	110	100	1	111	112
Awekho amashumi. There are zero tens.	400	410	301	205	210	10	101
Kukho amakhulu ama-2 nemivo emi-2. There are 2 hundreds and 2 ones.	122	202	422	292	422	252	212

4 Sombulula.

Solve.

27 + 7 = ____	17 + 17 = ____	32 – 14 = ____
35 – 16 = ____	37 – 27 = ____	46 + 9 = ____

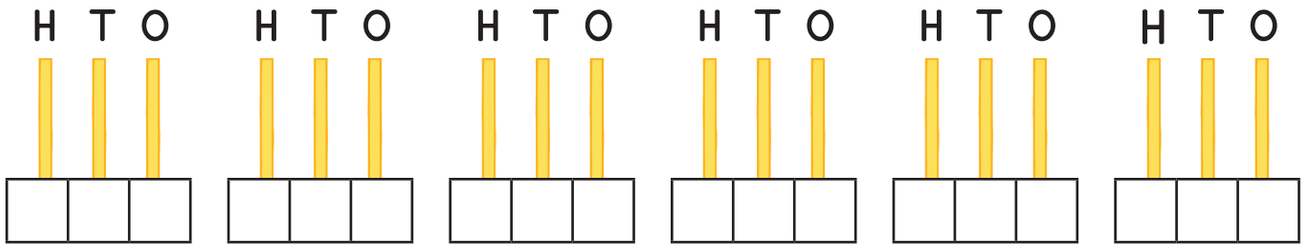


Amanani amivo mi-3 angenziwa ngeeringi ezi-2.

Three 3-digit numbers can be made using 2 rings.

5 Ngawaphi amanani amivo mi-3 anokwenziwa ngeeringi ezi-3? Zoba uze ubhale inani.

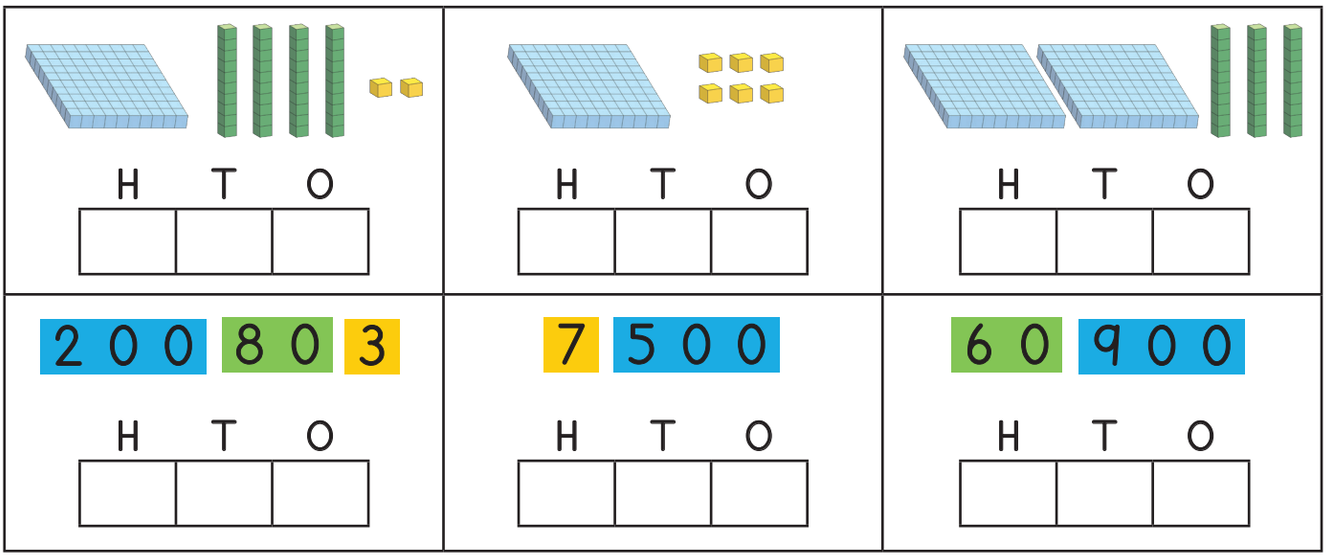
Which 3-digit numbers can you make using 3 rings? Draw and write the number.



Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

1 Bhala inani.
Write the number.



2 Mangaphi amashumi?
How many tens?

150		480	

3 Biyela ngesangqa amanani achanekileyo.
Circle the numbers that have 5 tens.

150	510	405	105	518	155	501

Masithethe ngeMaths!
Let's talk Maths!

NgesiXhosa sithi:	In English we say:
ama-100, ama-10 nemivo	100s, 10s and 1s
ixabiso lendawo	place value
i-10 yimivo eli-10.	10 is ten 1s.
i-100 ngama-10 alishumi.	100 is ten 10s.
Ama-295 ngama-100 amabini, ama-10 asithoba nemivo emihlanu.	295 is two 100s, nine 10s and five 1s.
Iziphindwa ze-10 ngama-10, ama-20, ama-30 …	Multiples of 10 are 10, 20, 30 …

1 Bonisa ngeebloko zesiseko se-10 noonotsheluza.

Show with base 10-blocks and flard cards.

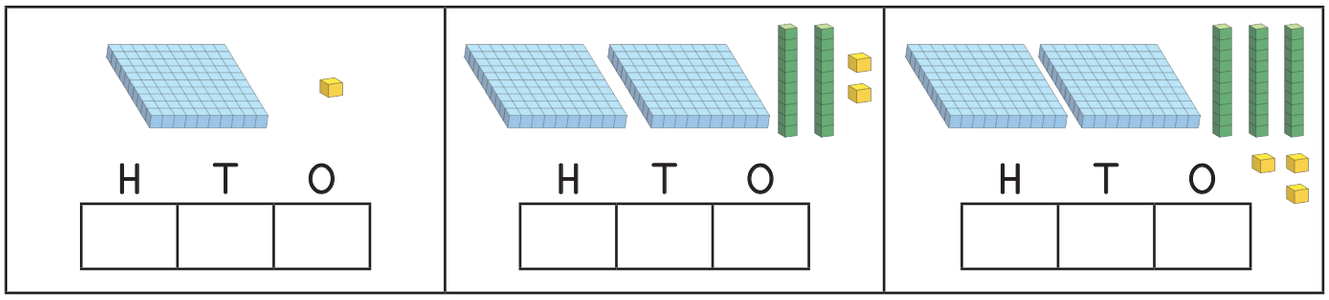
133	331	313	205
250	400	490	409

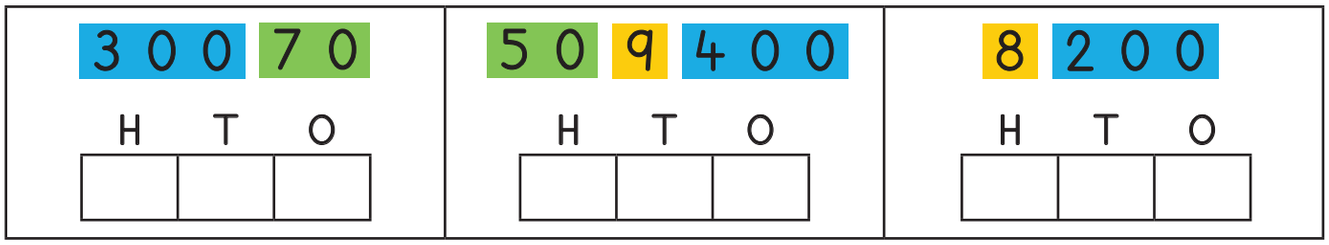
Qwalasela ixabiso lendawo lenani ngalinye kwinani elinikiweyo. Qinisekisa ukuba uthatha inani elichanekileyo lama-100, lama-10 nelemivo. Sebenzani ngababini.

Look carefully at the place value of each digit in the number. Make sure you put out the correct number of 100s, 10s and 1s. Work in pairs!

2 Bhala inani.

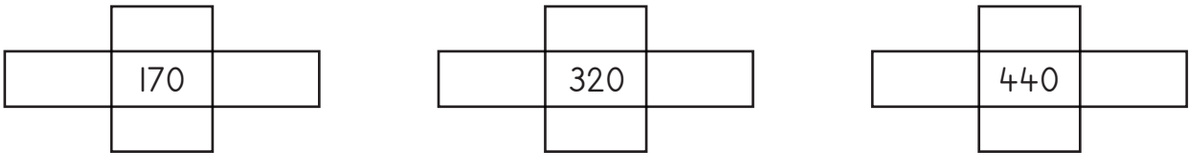
Write the number.





3 Heshthegi ama-10!

Hashtag 10s!



4 Gqibezela iipatheni ze-10.

Complete the patterns of 10.

220, 230, _____, _____, _____, _____, 280, _____

340, 330, 320, _____, _____, _____, 280, 270

380, 390, _____, _____, _____, 430 440, _____

IVEKI • WEEK 3

USUKU 1 • DAY 1

Ukulandelelanisa nokuthelekisa amanani
Sequencing and comparing numbers

IZIBALO ZENTLOKO — MENTAL MATHS
NDIBONISE INANI (OONOTSHELUZA) — SHOW ME A NUMBER (FLARD CARDS)
→ UMDLALO — GAME
→ UPHUHLISO LWENGQIQO — CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA — WORKSHEETS

Umdlalo: Mangaphi ama-10? Mingaphi imivo?
Game: How many 10s? How many 1s?

- Veza inani usebenzise oonotsheluza manani.
  Show the number using your flard cards.
- Mangaphi ama-10? Mingaphi imivo?
  How many 10s? How many 1s?
- Leliphi inani?
  What number?
- Khawuzame ngama-100, ama-10 nemivo.
  Try it with 100s, 10s and 1s.

1 Gqibezela ukufakela amanani kwimigcamanani.
Complete the numbering of the number lines.

297 298 ___ ___ 301 ___ ___ 304 305 ___ ___

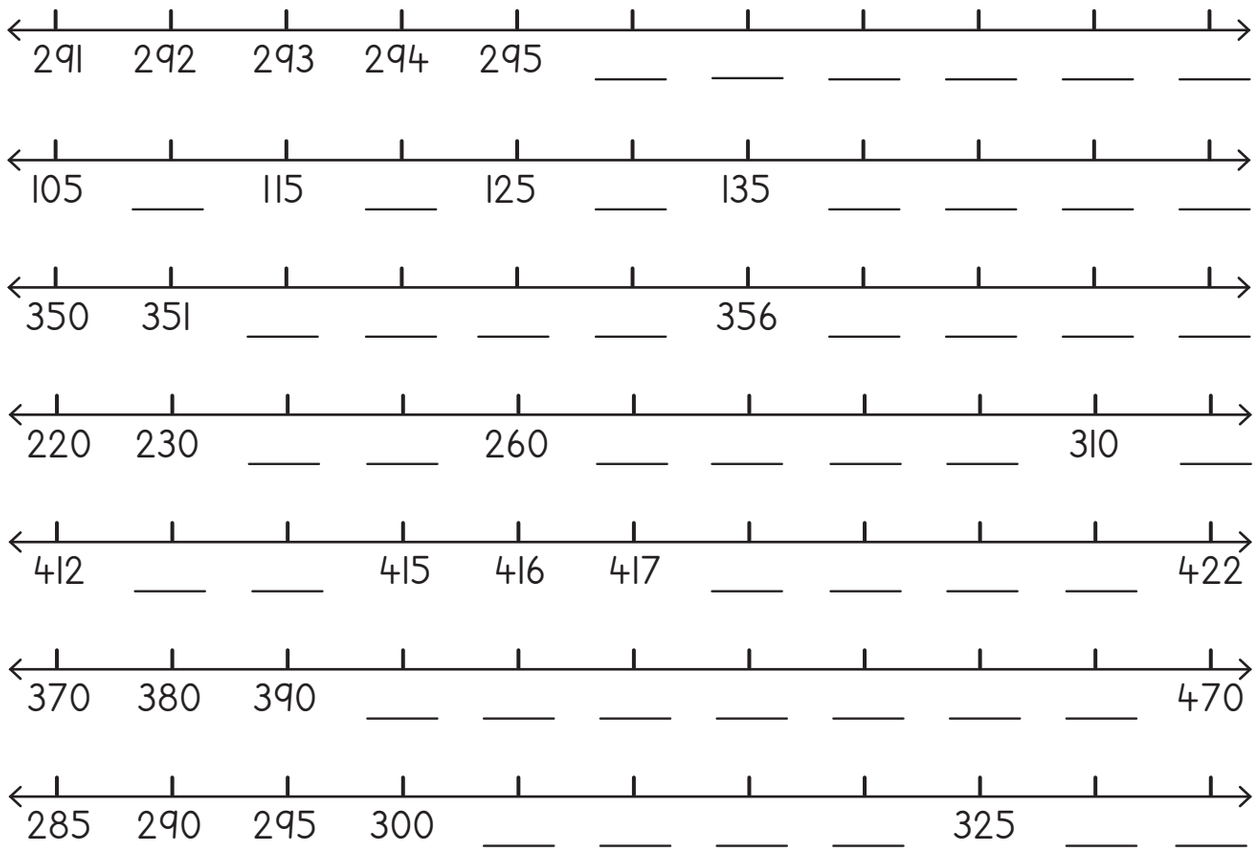
230 ___ 240 ___ ___ ___ 260 ___ ___ ___ ___

2 Kumgca ngamnye biyela ngesangqa elona nani lincinci uze ubiyele ngerekthengile elona nani likhulu.
In each row, draw a circle around the smallest number and a rectangle around the biggest one.

165	38	59	132	209	170	62
83	114	162	58	91	136	108
148	161	94	138	183	115	149
190	172	128	176	118	127	104
82	103	64	152	37	117	135
167	127	119	191	146	163	185

3 Fakela amanani ugqibezele le migcamanani.

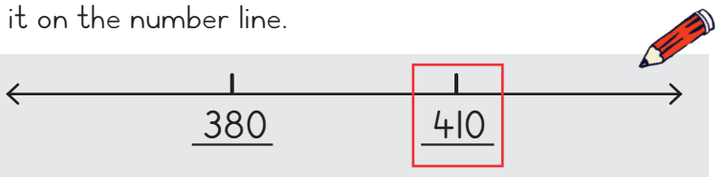
Complete the numbering of the number lines.



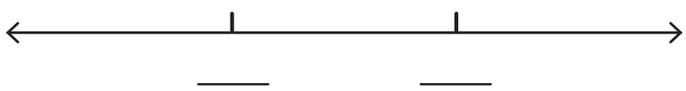
4 Leliphi inani elikhulu? Libonise kumgcamanani.

Which number is bigger? Show it on the number line.

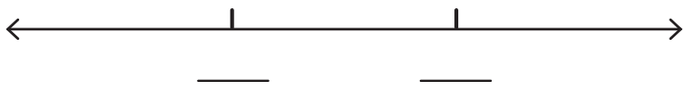
410 okanye 380
or



810 okanye 930
or



770 okanye 690
or



5 Landelelanisa amanani uqale ngelona lincinci uye kwelona likhulu.

Write these numbers in order from smallest to biggest.

305, 350, 335	305, 335, 350	480, 88, 189	
209, 219, 129		89, 98, 88	

Ukuthelekisa nokucwangcisa amanani
Comparing and ordering numbers

IZIBALO ZENTLOKO — MENTAL MATHS
NDIBONISE INANI (OONOTSHELUZA) — SHOW ME A NUMBER (FLARD CARDS)
→ UMDLALO — GAME
→ UPHUHLISO LWENGQIQO — CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA — WORKSHEETS

1

	100	10	1
379	3	7	9
101			
290			
38			
493			
70			
405			
211			
300			

Bonisa la manani ngeebloko zesiseko se-10. Mangaphi ama-100, ama-10 nemivo?

Show these numbers with base 10 blocks. How many 100s, 10s and 1s?

2 Fakela iimpawu ezichanekileyo.

Fill in the correct signs.

> iikhulu kuna- greater than	< iincinci kuna- less than	= iiyalingana equal to
100 _>_ 90	380 ____ 380	31 ____ 44
101 ____ 110	430 ____ 423	46 ____ 360
398 ____ 398	253 ____ 252	375 ____ 357
411 ____ 390	156 ____ 266	500 ____ 500
257 ____ 157	180 ____ 210	478 ____ 200

3 Bala ngemivo. Leliphi inani eliza phambi okanye emva kwala?

Count in 1s. Which number comes before and after?

239	240	241
	123	
	449	
	402	
	417	
	152	
	296	
	405	
	219	
	350	
	119	
	452	
	391	
	477	
	375	
	396	
	312	
	476	
	108	
	214	
	479	

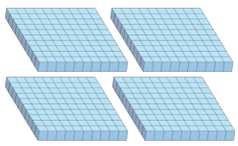
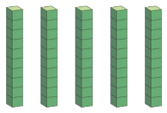
4 Bhala amanani uqale ngelona likhulu uye kwelona lincinci.

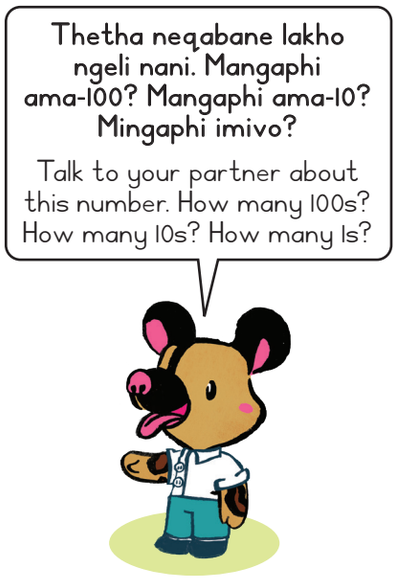
Write in order from biggest to smallest.

434, 444, 344	444, 434, 344
77, 78, 87	
333, 404, 440	
289, 298, 288	
180, 280, 99	

Ubhalo olwandisiweyo nama-100
Expanded notation with 100s

IZIBALO ZENTLOKO — MENTAL MATHS
NDIBONISE INANI (OONOTSHELUZA) — SHOW ME A NUMBER (FLARD CARDS)
→ UMDLALO — GAME
→ UPHUHLISO LWENGQIQO — CONCEPT DEVELOPMENT
→ AMAPHEPHA OKUSEBENZELA — WORKSHEETS

amakhulu hundreds	amashumi tens	imivo ones
		
4	5	9



4 5 9

400 + 50 + 9 = 459

1 Bhala izivakalisi manani.
Write the number sentences.

2 6 8 200 + 60 + 8 = 268	3 8 6 _____	1 5 3 _____
4 7 1 _____	2 9 5 _____	3 6 9 _____

2

	Mangaphi ama-100? How many 100s?	Mangaphi ama-10? How many 10s?	Mingaphi imivo? How many 1s?
358	3	5	8
205			
394			
174			
437			
291			
460			
186			

3 Biyela ngesangqa elona nani likhulu.

Circle the biggest number.

309	400	299
18	81	88
53	31	35

4 Biyela ngesangqa elona nani lincinci.

Circle the smallest number.

301	210	201
433	334	339
172	177	127

5 Mangaphi ama-10? Mingaphi imivo? Bhala isivakalisi manani negama lenani.

How many 10s? How many 1s? Write the number sentence and the number name.

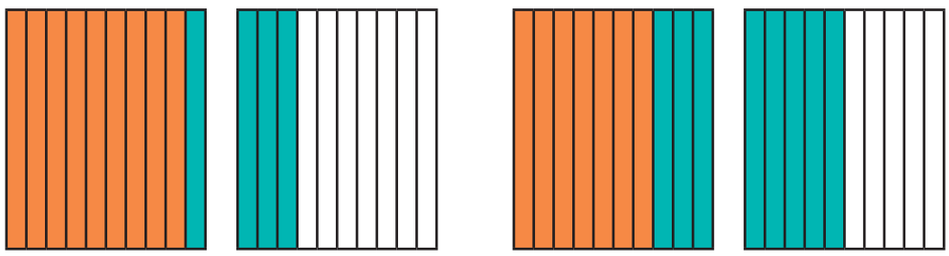
Thelekisa amanani usebenzise iibloko zesiseko se-10 ukuba ukwenza njalo kuyakunceda ubone umahluko.

Use your base 10 blocks to compare numbers if it helps you see the difference.

127 = 100 + 20 + 7	ikhulu elinamashumi amabini anesixhenxe one hundred and twenty seven
203 = ____ + ____ + ____	
352 = ____ + ____ + ____	
450 = ____ + ____ + ____	
146 = ____ + ____ + ____	
299 = ____ + ____ + ____	

Ukudibanisa nokuthabatha iziphindwa ze-10
Addition and subtraction of multiples of 10

IZIBALO ZENTLOKO – MENTAL MATHS → NDIBONISE INANI (OONOTSHELUZA) – SHOW ME A NUMBER (FLARD CARDS) → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS



90 + 40 = 130
130 – 40 = 90
40 + 90 = 130
130 – 90 = 40

70 + 80 = 150
150 – 80 = 70
80 + 70 = 150
150 – 70 = 80

Qaphela ukuba sisebenza njani ngama-10. Singawelela ngaphaya kwe-100 sisebenzisa ama-10. Singabhala izivakalisi manani ezi-4!

Look at how we work with 10s. We can bridge 100 using 10s. We can write 4 number sentences!

1 Bonisa ngeebloko zesiseko se-10. Bhala izivakalisi manani.

Show with base 10 blocks. Write the number sentences.

80 + 50 = ____ ____ – ____ = ____ ____ + ____ = ____ ____ – ____ = ____	60 + 70 = ____ ____ – ____ = ____ ____ + ____ = ____ ____ – ____ = ____

2 Sombulula.

Solve.

90 + 20 = 110	110 – 20 = ____	70 + 70 = ____
90 + 50 = ____	110 – 50 = ____	60 + 90 = ____
80 + 60 = ____	120 – 60 = ____	40 + 80 = ____
80 + 70 = ____	120 – 80 = ____	140 – 50 = ____
60 + 60 = ____	130 – 60 = ____	150 – 60 = ____
60 + 50 = ____	130 – 70 = ____	160 – 90 = ____

60 + 50 = 110

amakhulu hundreds	amashumi tens	imivo ones

160 + 50 = 210

amakhulu hundreds	amashumi tens	imivo ones

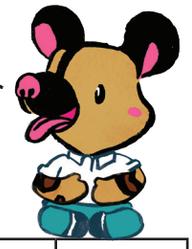
Iipatheni zamanani ziluncedo. Uyayibona ipatheni?
Number patterns are useful. Do you see the pattern?

3 Sombulula.

Solve.

60 + 70 = 130	160 + 70 = 230	260 + 70 = 330
70 + 80 = ____	170 + 80 = ____	270 + 80 = ____
180 + 90 = ____	280 + 90 = ____	380 + 90 = ____

Zama ngokuthabatha!
Try it with subtraction!



230 – 60 = 170

amakhulu hundreds	amashumi tens	imivo ones

330 – 60 = 270

amakhulu hundreds	amashumi tens	imivo ones

4 Sombulula.

Solve.

110 – 30 = 80	210 – 30 = 180	310 – 30 = 280
170 – 80 = ____	270 – 80 = ____	370 – 80 = ____
250 – 60 = ____	350 – 60 = ____	450 – 60 = ____

Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

1 Bala ngemivo. Leliphi inani eliza phambi okanye emva kweli?
Count in 1s. What numbers come before and after?

	209	

2 Gqibezela amanani akumgcamanani.
Complete the numbering of the number line.

390 ___ ___ 420 430 440 ___ ___ 470 480 ___

3 Fakela >, < okanye =.
Write >, < or =.

114 ___ 118	409 ___ 490	391 ___ 299	499 ___ 500

4 Sombulula.
Solve.

440 + 20 = ____	290 – 50 = ____	150 – 80 = ____

Masithethe ngeMaths!
Let's talk Maths!

NgesiXhosa sithi:	In English we say:
iziphindwa ze-10	multiples of 10
thelekisa	compare
cwangcisa	order
liza phambi okanye liza emva	comes before and comes after
likhulu kuna- okanye lincinci kuna-	greater than or smaller than
elona likhulu ukuya kwelona lincinci	biggest to smallest
elona lincinci ukuya kwelona likhulu	smallest to biggest

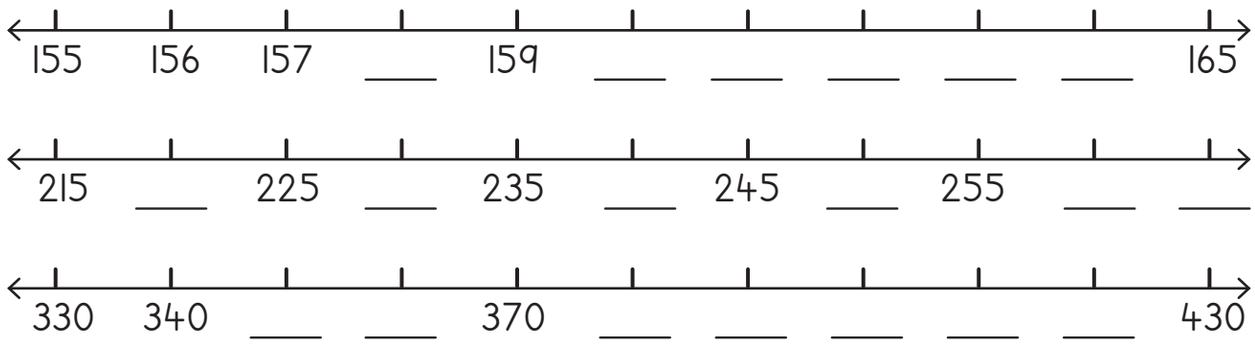
1 Bonisa amanani ngeebloko zesiseko se-10. Mangaphi ama-100, ama-10 nemivo?

Show the numbers with base 10 blocks. How many 100s, 10s and 1s?

	100	10	1
195			
270			
403			
20			
322			

2 Fakela amanani kwimigcamanani.

Complete the numbering of the number lines.



3 Bhala la manani uqale ngelona lincinci uye kwelona likhulu.

Write in order from smallest to biggest.

59, 50, 90		111, 110, 101	
266, 246, 426		340, 430, 304	
409, 194, 149			

4 Sombulula.

Solve.

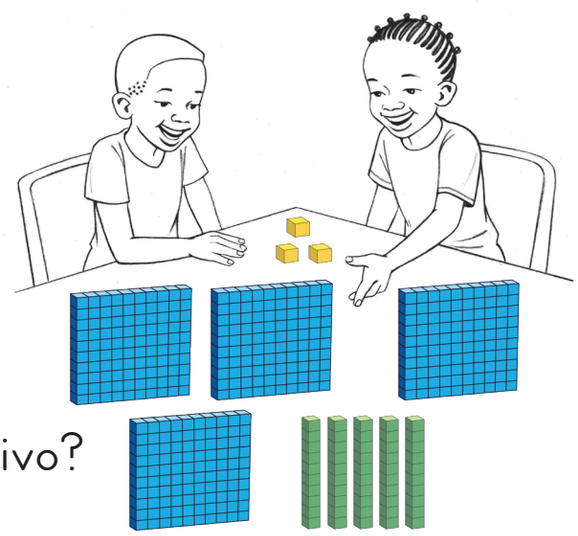
450 + 40 = ____	300 – 30 = ____	940 + 60 = ____
360 + 40 = ____	500 – 60 = ____	710 + 80 = ____
490 + 10 = ____	700 – 40 = ____	900 – 90 = ____

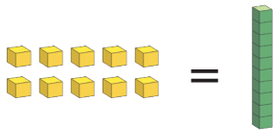
Izibalo zentloko – ukudibanisa
Mental Maths – addition

IZIBALO ZENTLOKO (MENTAL MATHS) | NDIBONISE INANI (IIBLOKO) (SHOW ME A NUMBER (BLOCKS)) → UMDLALO (GAME) → UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → AMAPHEPHA OKUSEBENZELA (WORKSHEETS)

Umdlalo: Leliphi inani?
Game: What number?

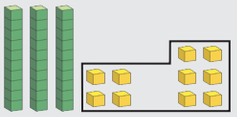
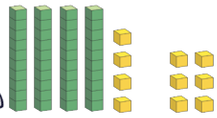
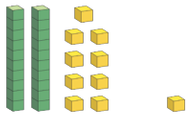
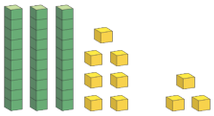
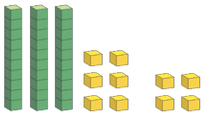
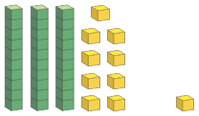
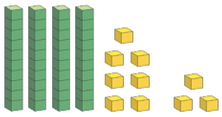
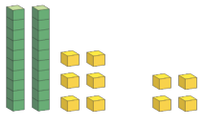
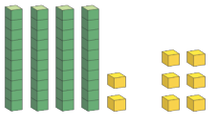
- Sebenzani ngababini.
  Yakhani inani ngeebloko zenu.
  Work in pairs. Build the number using your blocks.
- Leliphi inani?
  What number?
- Mangaphi ama-100s?
  Mangaphi ama-10? Mingaphi imivo?
  How many 100s? How many 10s? How many 1s?





Bala ngentloko rhoqo ukuba unakho. Ungazisebenzisa iibloko xa ufuna. Ukhumbule ukuba imivo elishumi yenza i-10 elinye.
Always work in your head if you can. Use blocks if you need to. Remember ten 1s makes one 10.

1 Gqibezela izivakalisi manani.
Complete the number sentences.

 34 + 6 = 40	 44 + 6 = ____	 29 + 1 = ____
 37 + 3 = ____	 36 + 4 = ____	 39 + 1 = ____
 47 + 3 = ____	 26 + 4 = ____	 42 + 8 = ____

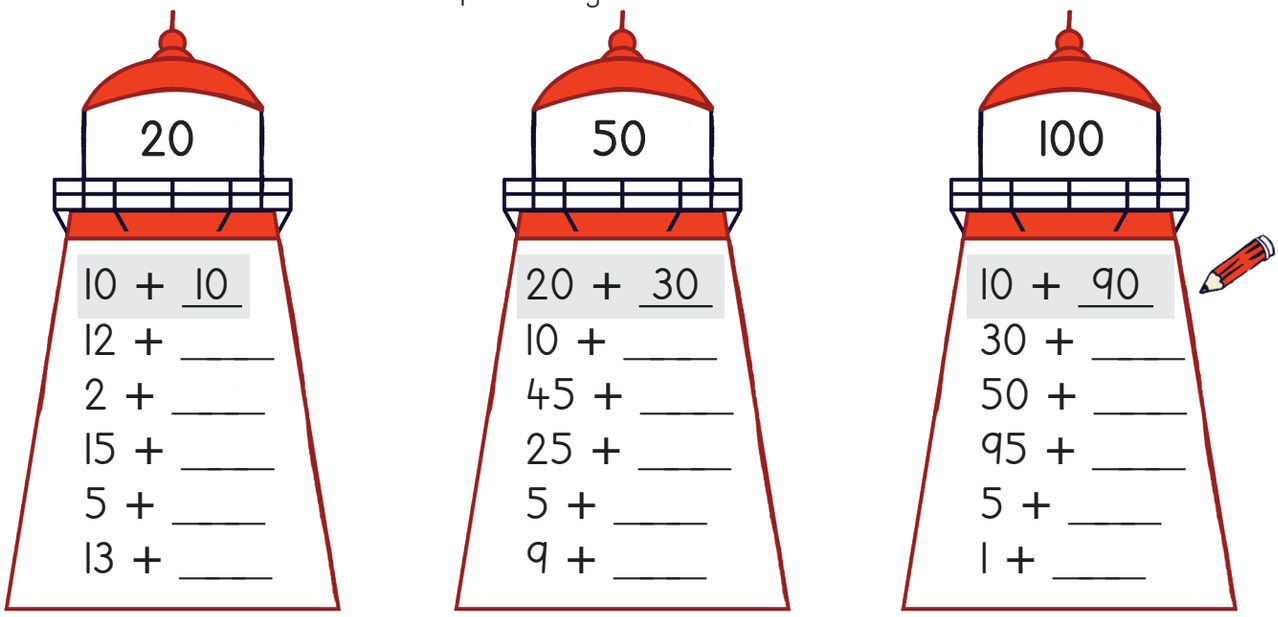
2 Sombulula.

Solve.

37 + 3 = 40	46 + 4 = ____	41 + 9 = ____
71 + 9 = ____	21 + 9 = ____	37 + 3 = ____
82 + 8 = ____	74 + 6 = ____	28 + 2 = ____
55 + 5 = ____	38 + 2 = ____	65 + 5 = ____
63 + 7 = ____	57 + 3 = ____	84 + 6 = ____

3 Dibanisa ukuze wenze inani eliphezu kwale ndlu ekhanyisayo.

Add to make the number at the top of the lighthouse.

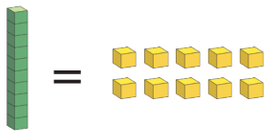


Umdlalo: IMaths ekhawulezayo ngamakhadi – dibanisa
Game: Fast maths with cards – add

- Yenza isicuku ngamakhadi amanani 0–10.
  Place number cards 0 to 10 in a pile.
- Guqula ikhadi elinye.
  Flip one card.
- Kufuneka ezingaphi ukuze wenze ama-20?
  How much to make 20?
- Bala ngokukhawuleza! Yenza ama-30, ama-40, ama-50, ama-60, ama-90 okanye i-100.
  Work fast! Make 30, 40, 50, 60, 90 or 100.

Izibalo zentloko – ukudibanisa okuwezayo
Mental Maths – addition with carrying

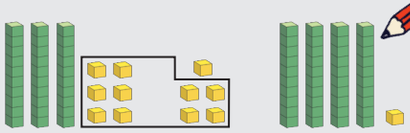
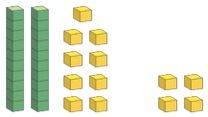
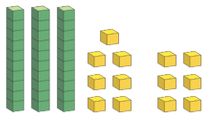
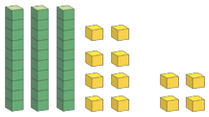
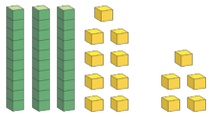
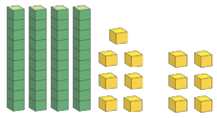
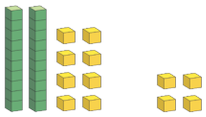
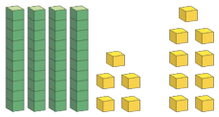
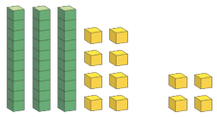
IZIBALO ZENTLOKO (MENTAL MATHS) | NDIBONISE INANI (IIBLOKO) (SHOW ME A NUMBER (BLOCKS)) → UMDLALO (GAME) → UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → AMAPHEPHA OKUSEBENZELA (WORKSHEETS)



Bala ngentloko ukuba uyakwazi. Ungazisebenzisa iibloko xa ufuna. Ukhumbule ukuba imivo elishumi yenza i-10 elinye.

Always work in your head if you can. Use blocks if you need to. Remember ten 1s make one 10.

1 Gqibezela izivakalisi manani.
Complete the number sentences.

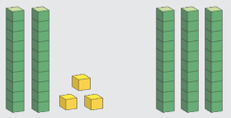
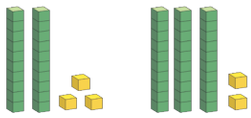
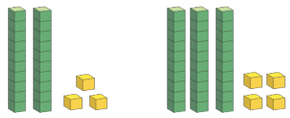
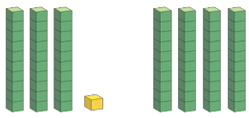
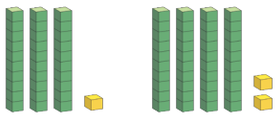
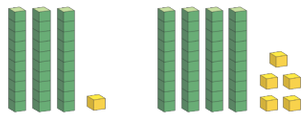
 36 + 5 = 41	 29 + 4 = ____	 37 + 6 = ____
 38 + 4 = ____	 39 + 5 = ____	 47 + 6 = ____
 28 + 4 = ____	 45 + 9 = ____	 38 + 4 = ____

2 Sombulula.
Solve.

9 + 3 = 12	6 + 6 = ____	25 + 5 = ____	27 + 6 = ____
8 + 5 = ____	7 + 7 = ____	26 + 6 = ____	28 + 7 = ____
7 + 8 = ____	8 + 8 = ____	27 + 7 = ____	29 + 8 = ____
9 + 6 = ____	9 + 9 = ____	28 + 8 = ____	29 + 9 = ____

3 Dibanisa. Bhala izivakalisi manani.

Add. Write the number sentences.

 23 + 30 = 53	 _____	 _____
 _____	 _____	 _____

4 Sombulula.

Solve.

9 + 20 = 29	9 + 40 = ____	9 + 50 = ____	9 + 60 = ____
17 + 20 = ____	17 + 30 = ____	17 + 40 = ____	17 + 60 = ____
24 + 20 = ____	24 + 30 = ____	24 + 40 = ____	24 + 50 = ____
38 + 10 = ____	38 + 20 = ____	38 + 30 = ____	38 + 40 = ____

5 Sombulula. Bhala unobumba ezantsi kwesiphumo.

Solve. Write the letter below the answer.

29 + 3 = ____ A	22 – 6 = ____ N	18 + 5 = ____ I
24 – 5 = ____ J	19 + 2 = ____ A	21 – 7 = ____ L
17 + 7 = ____ T	23 – 8 = ____ E	26 + 8 = ____ B
31 – 3 = ____ I	25 + 8 = ____ M	32 – 6 = ____ Y
29 + 2 = ____ H	35 – 8 = ____ A	38 + 2 = ____ O
33 – 4 = ____ T		

14 15 16	19 21 23	24 26 27 28	29 31 32 33 34 40	

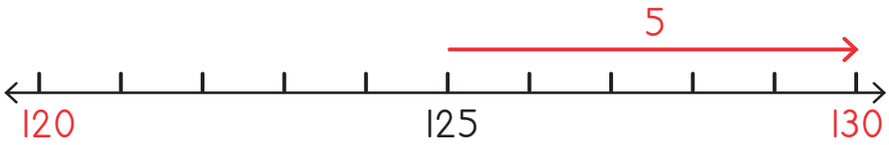
USUKU 3 • DAY 3

Ukudibanisa okudlula kwi-100 usebenzisa umgcamanani
Addition over 100 using a number line

IZIBALO ZENTLOKO – MENTAL MATHS → NDIBONISE INANI (IIBLOKO) – SHOW ME A NUMBER (BLOCKS) → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

I-10 lizele.

A 10 is filled up.

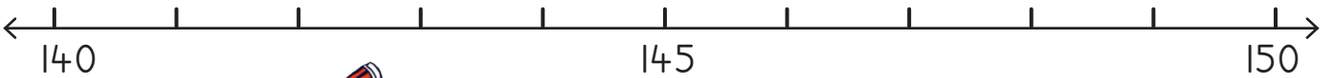


Thelekisa: 125 + 5 = 130

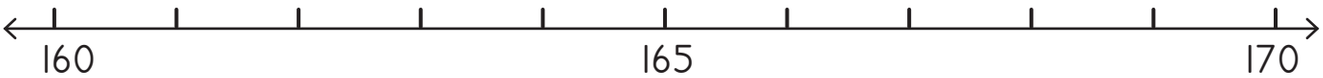
Compare: 25 + 5 = 30

1 Sombulula. Sebenzisa umgcamanani.

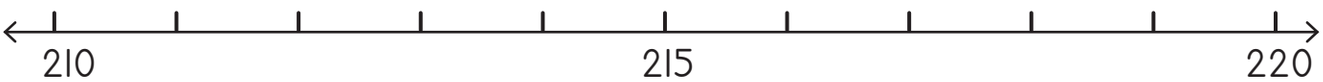
Solve. Use the number line.



142 + 6 = 148	143 + 7 = ____	145 + 4 = ____	144 + 6 = ____



161 + 4 = ____	164 + 6 = ____	165 + 5 = ____	168 + 1 = ____



217 + 3 = ____	210 + 7 = ____	211 + 6 = ____	216 + 4 = ____

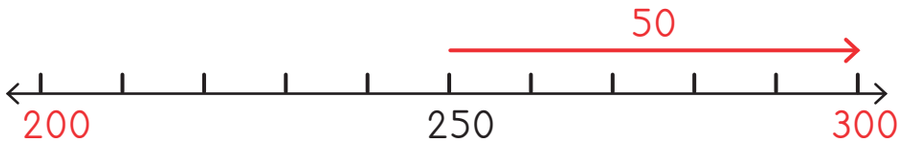
2 Sombulula.

Solve.

35 + 5 = 40	62 + 8 = ____	31 + 9 = ____	77 + ____ = 80
135 + 5 = 140	162 + 8 = ____	131 + 9 = ____	177 + ____ = 180
235 + 5 = 240	262 + 8 = ____	231 + 9 = ____	277 + ____ = 280

Amakhulu azele.

100s are filled up.

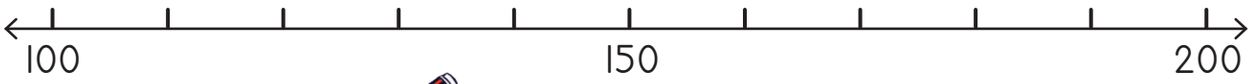


Thelekisa: $250 + 50 = 300$

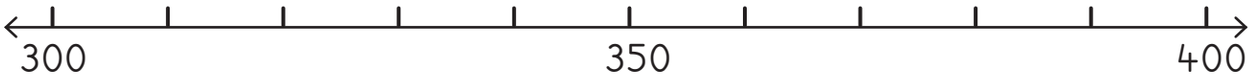
Compare: $50 + 50 = 100$

3 Sombulula. Sebenzisa umgcamanani.

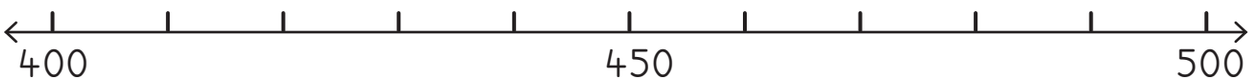
Solve. Use the number line.



170 + 30 = 200	150 + 40 = ____	110 + 90 = ____
140 + 30 = ____	150 + 50 = ____	160 + 30 = ____



340 + 30 = ____	330 + 40 = ____	350 + 40 = ____
390 + 10 = ____	360 + 20 = ____	350 + 50 = ____



450 + 60 = ____	410 + 40 = ____	440 + 50 = ____
450 + 30 = ____	470 + 30 = ____	430 + 70 = ____

4 Sombulula.

Solve.

80 + 20 = 100	20 + 60 = ____	60 + 20 = ____
70 + ____ = 100	140 + 50 = ____	260 + 40 = ____

USUKU 4 • DAY 4

Ukudibanisa ngendlela yeekholam
Addition using the column method

IZIBALO ZENTLOKO — MENTAL MATHS | NDIBONISE INANI (IIBLOKO) — SHOW ME A NUMBER (BLOCKS) → UMDLALO — GAME → UPHUHLISO LWENGQIQO — CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA — WORKSHEETS

26 + 33 = 59

	amashumi tens	imivo ones
Ama-26 ayafana nama-20 nesi-6. 26 is the same as 20 and 6.	2	6
Ukudibanisa ama-33 kuyafana nokudibanisa ama-30 nesi-3. Adding 33 is the same as adding 30 and 3.	+ 3	3
Masidibanise ama-10 noo-1. Let's add 10s and 1s.  Ngamashumi ama-5 zizonke. There are 5 tens altogether.	5	Yimivo esi-9 iyonke. There are 9 ones altogether. 9

Amashumi ama-2 namashumi ama-3 enza amashumi ama-5.
Imivo emi-6 nemivo emi-3 yenza imivo esi-9.
Ndinama-59 zizonke.

2 tens and 3 tens makes 5 tens.
6 ones and 3 ones makes 9 ones.
I have 59 altogether.

1 Dibanisa usebenzise iibloko.

Add using blocks.

47 + 32 = 79	51 + 22 = ____	25 + 46 = ____
31 + 61 = ____	83 + 22 = ____	54 + 13 = ____

2 Dibanisa.

Add.

	5	6
+	1	2
	6	8

Ndina- 68 zizonke.

I have 68 altogether.

	3	5
+	2	3

Ndina-____ zizonke.

I have ___ altogether.

3 Dibanisa. Sbenzisa iibloko zakho.

Add. Use your blocks.

26 + 13 = ____

	amashumi tens	imivo ones
	2	6
+	1	3
	3	9

25 + 51 = ____

	amashumi tens	imivo ones
+		

22 + 32 = ____

	amashumi tens	imivo ones
+		

36 + 11 = ____

	amashumi tens	imivo ones
+		

33 + 52 = ____

	amashumi tens	imivo ones
+		

34 + 45 = ____

	amashumi tens	imivo ones
+		

42 + 34 = ____

	amashumi tens	imivo ones
+		

55 + 24 = ____

	amashumi tens	imivo ones
+		

61 + 38 = ____

	amashumi tens	imivo ones
+		

Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

1 Sombulula.
Solve.

6 + ____ = 10	5 + 9 = ____	4 + 50 = ____
18 + ____ = 20	18 + 4 = ____	15 + 20 = ____
27 + ____ = 30	27 + 7 = ____	27 + 30 = ____

2 Dibanisa.
Add.

100 + 5 = ____	276 + ____ = 280	240 + 600 = ____

3 Dibanisa usebenzise iikholam.
Add using columns.

26 + 33 = ____

amashumi tens	imivo ones
+	

39 + 57 = ____

amashumi tens	imivo ones
+	

41 + 32 = ____

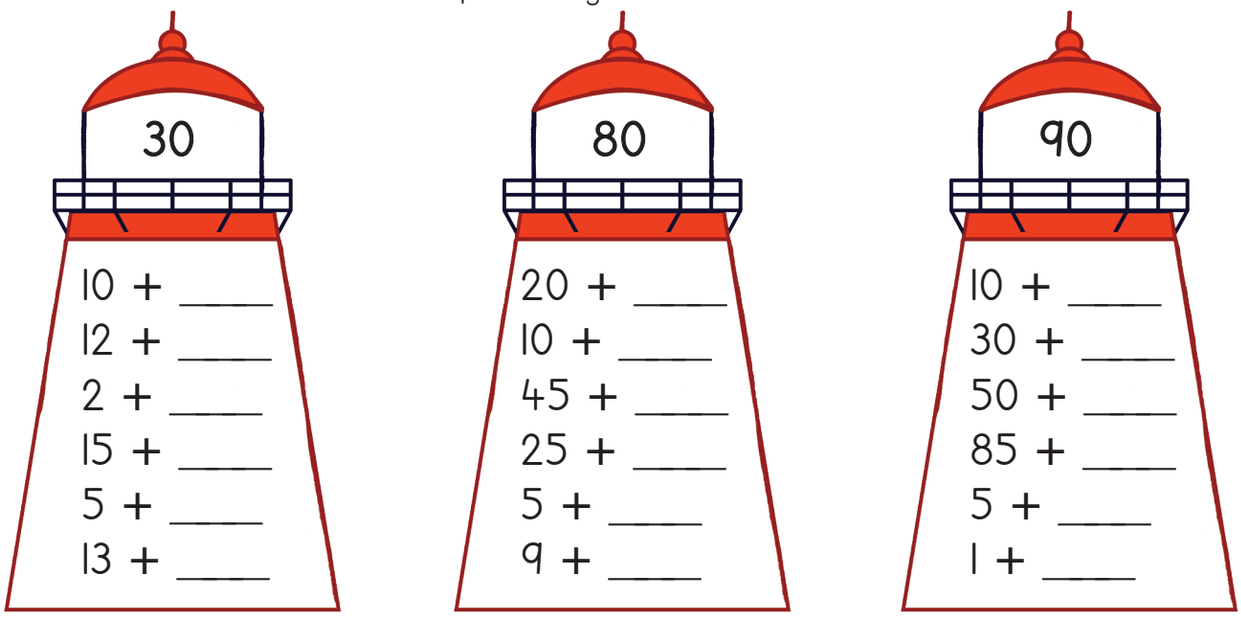
amashumi tens	imivo ones
+	

Masithethe ngeMaths!
Let's talk Maths!

NgesiXhosa sithi:	In English we say:
yenza i-10	make a 10
Imivo elishumi iyafana ne-10 elinye.	Ten ones is the same as one 10.
isivakalisi manani	number sentence
dibanisa	add
Dibanisa iziphindwa ze-10.	Add multiples of 10.
Ama-10 alishumi ayafana ne-100 elinye.	Ten 10s is the same as one 100.
Zalisa ama-100.	Fill the 100s.

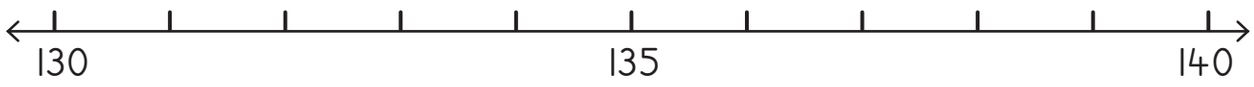
1 Dibanisa ukuze wenze inani eliphezu kwendlu ekhanyisayo.

Add to make the number at the top of the lighthouse.



2 Dibanisa ngomgcamanani.

Add using the number line.



130 + 10 = ____	134 + 5 = ____	134 + 6 = ____

3 Sombulula.

Solve.

235 + 5 = ____	142 + 7 = ____	333 + ____ = 340
178 + ____ = 180	330 + 50 = ____	260 + 40 = ____

4 Dibanisa.

Add.

14 + 52 = ____

amashumi tens	imivo ones
+	

65 + 24 = ____

amashumi tens	imivo ones
+	

33 + 56 = ____

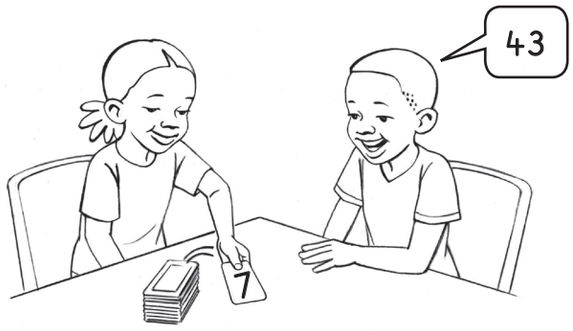
amashumi tens	imivo ones
+	

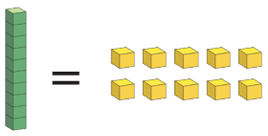
Izibalo zentloko – ukuthabatha
Mental Maths – subtraction

IZIBALO ZENTLOKO (MENTAL MATHS) | LINGAPHEZULU KUNA- (MORE THAN) → UMDLALO (GAME) → UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → AMAPHEPHA OKUSEBENZELA (WORKSHEETS)

Umdlalo: IMaths ekhawulezayo ngamakhadi – thabatha
Game: Fast maths with cards – subtract

- Yenza isicuku ngamakhadi amanani 0–10.
  Place number cards 0 to 10 in a pile.
- Guqula ikhadi elinye.
  Flip one card.
- Thabatha kuma-50.
  Subtract from 50.
- Khawuthabathe ke ngoku kuma-60, 70, 80, 90 nakwi-100.
  Next subtract from 60, 70, 80, 90 and 100.

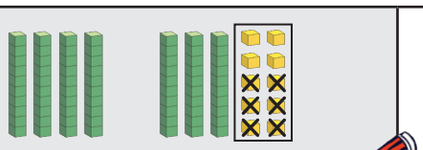
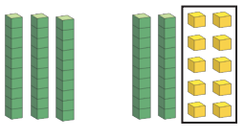
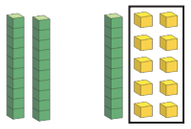
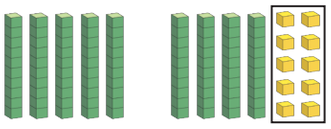
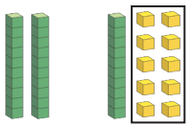
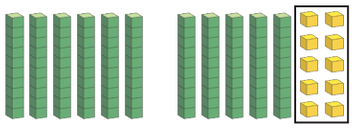
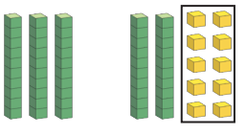
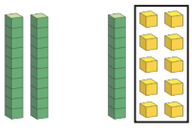
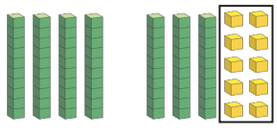




Bala ngentloko ngalo lonke ixsha ukuba uyakwazi. Sebenzisa iibloko xa kukho imfuneko. Tshintshisa i-10 elinye ngemivo elishumi.

Always work in your head if you can. Use blocks if you need to. Exchange one 10 for ten 1s.

1 Gqibezela izivakalisi manani.
Complete the number sentences.

 40 – 6 = 34	 30 – 5 = ____	 20 – 1 = ____
 50 – 2 = ____	 20 – 7 = ____	 60 – 4 = ____
 30 – 4 = ____	 20 – 4 = ____	 40 – 8 = ____

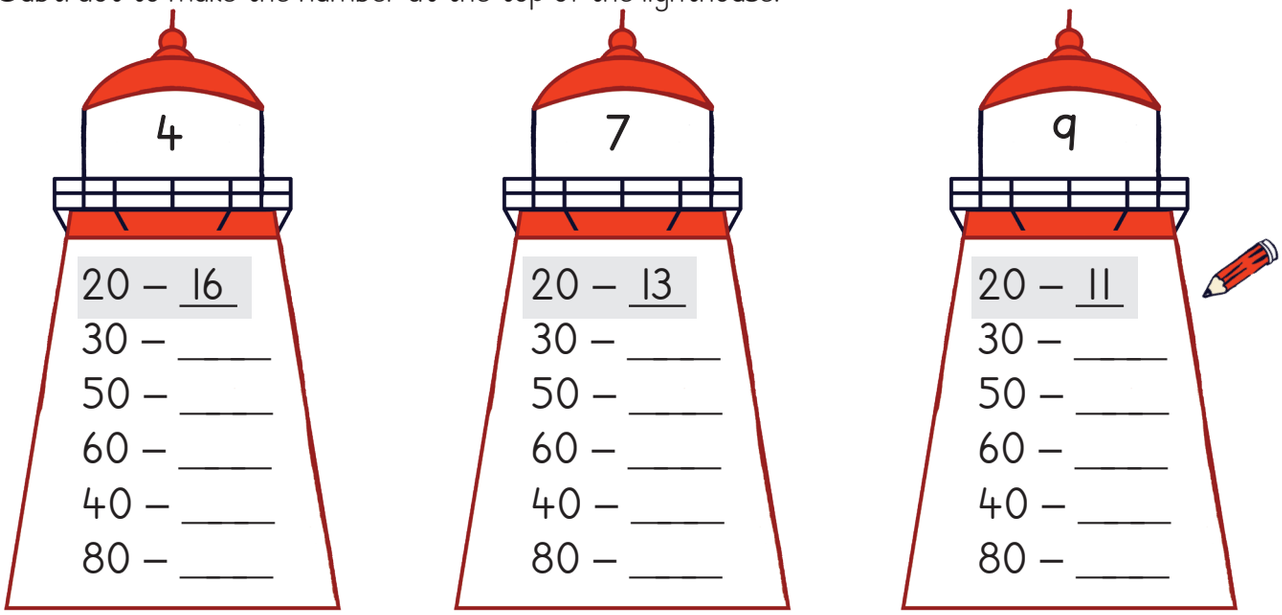
2 Sombulula.

Solve.

10 – 2 = 8	10 – 3 = ____	10 – 6 = ____
20 – 2 = ____	20 – 3 = ____	20 – 6 = ____
30 – 4 = ____	30 – 7 = ____	30 – 1 = ____
40 – 4 = ____	40 – 7 = ____	40 – 1 = ____
50 – 5 = ____	50 – 4 = ____	50 – 8 = ____
60 – 5 = ____	60 – 4 = ____	60 – 8 = ____

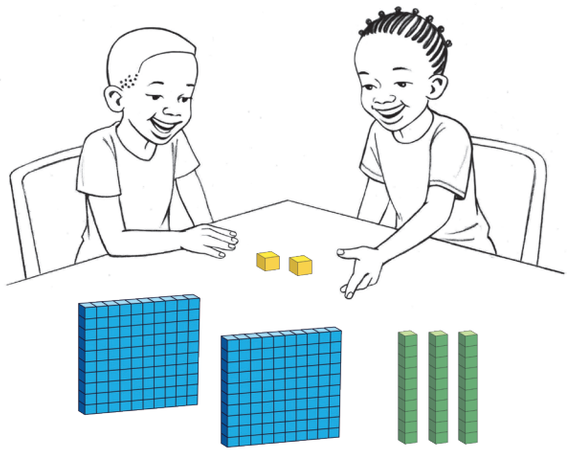
3 Thabatha ukuze wenze inani eliphezu kwendlu ekhanyisayo.

Subtract to make the number at the top of the lighthouse.



Umdlalo: Leliphi inani?
Game: What number?

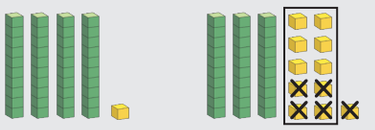
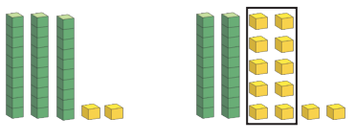
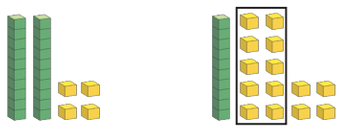
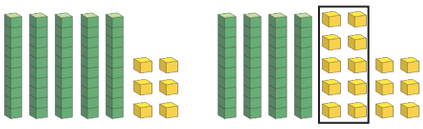
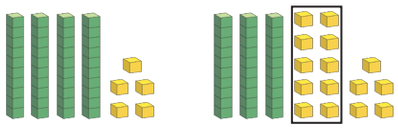
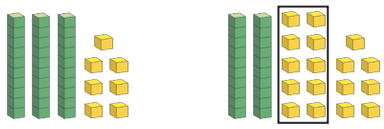
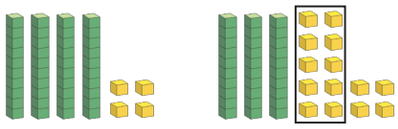
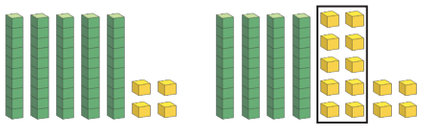
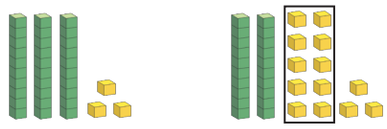
- Sebenzani ngababini. Yakhani inani ngeebloko zenu.
  Work in pairs. Build the number using your blocks.
- Leliphi inani?
  What number?
- Mangaphi ama-100? Mangaphi ama-10? Mingaphi imivo?
  How many 100s? How many 10s? How many 1s?



Izibalo zentloko – ukuthabatha okunokuboleka
Mental Maths – subtraction with borrowing

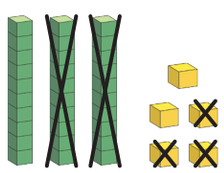
IZIBALO ZENTLOKO – MENTAL MATHS | LINGAPHEZULU KUNA- – MORE THAN → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

1 Gqibezela izivakalisi manani.
Complete the number sentences.

 41 – 5 = 36	 32 – 5 = ____	 24 – 7 = ____
 56 – 8 = ____	 45 – 6 = ____	 37 – 8 = ____
 44 – 9 = ____	 54 – 6 = ____	 33 – 5 = ____

2 Thabatha.
Subtract.

12 – 4 = 8	11 – 7 = ____	30 – 5 = ____	42 – 4 = ____
11 – 5 = ____	12 – 8 = ____	32 – 6 = ____	43 – 5 = ____
13 – 6 = ____	13 – 7 = ____	34 – 7 = ____	44 – 7 = ____
15 – 8 = ____	14 – 8 = ____	36 – 8 = ____	52 – 5 = ____

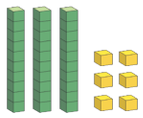
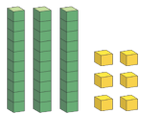
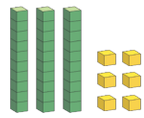
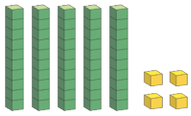
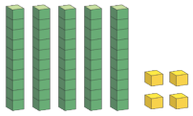
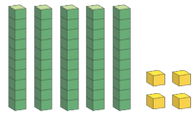


35 – 23 = 12

Qala ngokuthabatha imivo wandule ukuthabatha ama-10.
First subtract the 1s and then subtract the 10s.

3 Thabatha.

Subtract.

 36 – 20 = ____	 36 – 24 = ____	 36 – 26 = ____
 54 – 30 = ____	 54 – 32 = ____	 54 – 52 = ____

4

39 – 20 = 19	49 – 40 = ____	69 – 50 = ____	69 – 60 = ____
47 – 20 = ____	57 – 30 = ____	67 – 40 = ____	77 – 60 = ____
54 – 20 = ____	54 – 40 = ____	74 – 40 = ____	74 – 50 = ____
38 – 10 = ____	38 – 30 = ____	78 – 20 = ____	88 – 40 = ____

5 Thabatha. Fakela umbala kwimpendulo ekwigridi.

Subtract. Colour the answer on the grid.

25 – 20 = 5

36 – 30 = ____

26 – 12 = ____

39 – 22 = ____

44 – 21 = ____

83 – 32 = ____

94 – 34 = ____

75 – 13 = ____

99 – 30 = ____

59 – 31 = ____

46 – 14 = ____

59 – 20 = ____

64 – 23 = ____

92 – 42 = ____

89 – 11 = ____

98 – 14 = ____

99 – 12 = ____

100 – 5 = ____

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Ukuthabatha okudlula i-100 usebenzisa umgcamanani
Subtraction over 100 using a number line

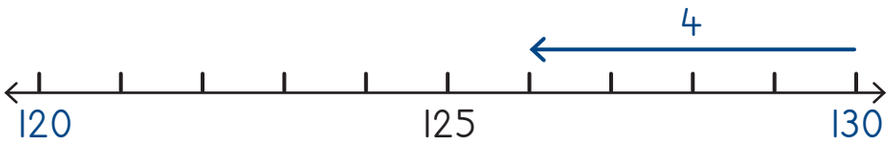
IZIBALO ZENTLOKO – MENTAL MATHS | LINGAPHEZULU KUNA- – MORE THAN → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

Jonga indlela esinokuthabatha ngayo kuma-10 usebenzisa umgcamanani.

Look at how we can subtract from the 10s using a number line.

Thabatha kwi-10 elizeleyo.

Subtract from a full 10.

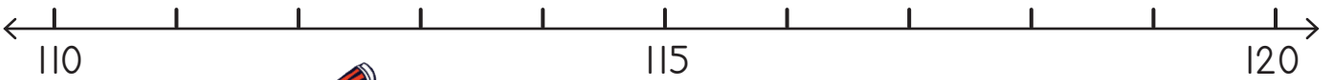


Thelekisa: $130 - 4 = 126$

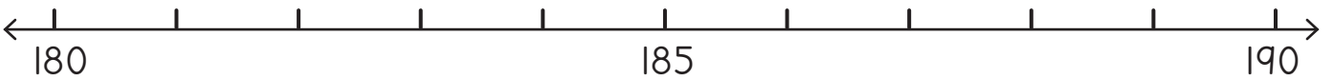
Compare: $30 - 4 = 26$

1 Sombulula. Sebenzisa umgcamanani.

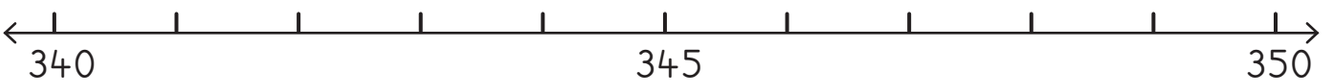
Solve. Use the number line.



120 – 6 = 114	120 – 2 = ____	120 – 1 = ____	120 – 10 = ____



190 – 3 = ____	190 – 5 = ____	190 – 8 = ____	190 – 5 = ____



350 – 1 = ____	350 – 10 = ____	350 – 4 = ____	350 – 8 = ____

2 Sombulula.

Solve.

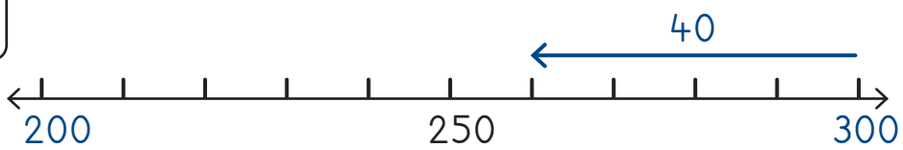
40 – 5 = 35	60 – 8 = ____	30 – 2 = ____	80 – ____ = 77
140 – 5 = 135	160 – 8 = ____	130 – 2 = ____	180 – ____ = 177
240 – 5 = 235	260 – 8 = ____	230 – 2 = ____	280 – ___ = 277

Jonga indlela esinokuthabatha ngayo kwi-100 sisebenzisa umgcamanani.

Look at how we can subtract from the 100s using a number line.

Thabatha kuma-100.

Subtract from the 100s.

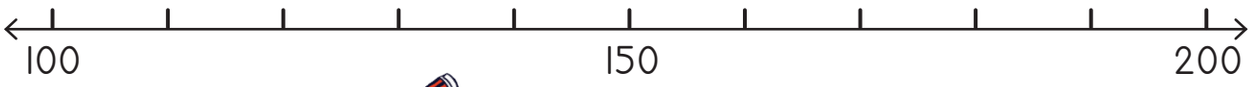


Thelekisa: $300 - 40 = 260$

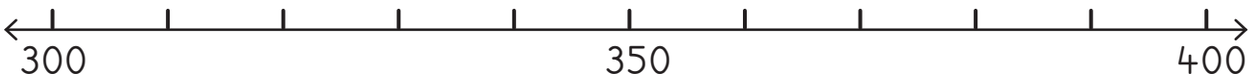
Compare: $100 - 40 = 60$

3 Sombulula. Sebenzisa umgcamanani.

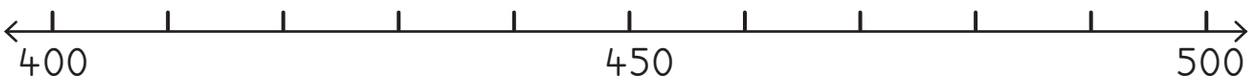
Solve. Use the number line.



200 – 30 = 170	200 – 20 = ____	200 – 80 = ____
200 – 10 = ____	160 – 30 = ____	160 – 60 = ____



400 – 60 = ____	400 – 50 = ____	400 – 10 = ____
400 – 100 = ____	400 – 30 = ____	380 – 80 = ____



500 – 90 = ____	500 – 30 = ____	500 – 70 = ____
500 – 60 = ____	450 – 40 = ____	450 – 50 = ____

4 Sombulula.

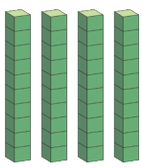
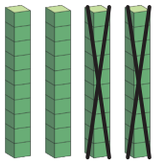
Solve.

100 – 20 = 80	100 – 60 = ____	200 – 40 = ____
200 – ____ = 150	200 – 40 = ____	300 – ____ = 260

Ukuthabatha usebenzisa indlela yeekholam
Subtraction using the column method

IZIBALO ZENTLOKO (MENTAL MATHS) | LINGAPHEZULU KUNA- (MORE THAN) → UMDLALO (GAME) → UPHUHLISO LWENGQIQO (CONCEPT DEVELOPMENT) → AMAPHEPHA OKUSEBENZELA (WORKSHEETS)

49 – 21 = 28

			amashumi tens	imivo ones
Ama-49 ayafana nama-40 nesi-9. 49 is the same as 40 and 9.			4	9
Masithabathe ama-21. Now let's subtract 21.			– 2	1
	Kushiyeka amashumi ama-2. There are 2 tens left over.	Kushiyeka imivo esi-8. There are 8 ones left over	2	8

Kumashumi ama-4 uthabatha amashumi ama-2 kushiyeke amashumi ama-2.

Kwimivo esi-9 uthabatha umvo o-1 kushiyeke imivo esi-8.

Amashumi ama-2 nemivo esi-8 enza ama-28.

4 tens take away 2 tens leaves 2 tens.
9 ones take away 1 one leaves 8 ones.
2 tens and 8 ones makes 28.

1 Thabatha usebenzise iibloko.
Subtract using blocks.

58 – 16 = 42	49 – 23 = ____	68 – 37 = ____
36 – 13 = ____	74 – 21 = ____	94 – 42 = ____

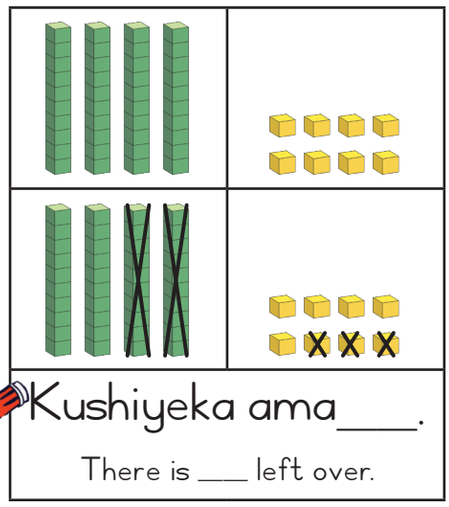
2 Thabatha.

Subtract.

Kushiyeka ama 44.

There is 44 left over.

	6	5
−	2	1
	4	4



Kushiyeka ama ___.

There is ___ left over.

	4	8
−	2	3

3 Thabatha. Sebenzisa iibloko zakho.

Subtract. Use your blocks.

26 − 13 = ____

	amashumi tens	imivo ones
	2	6
−	1	3
	3	9

35 − 11 = ____

	amashumi tens	imivo ones
−		

47 − 25 = ____

	amashumi tens	imivo ones
−		

36 − 11 = ____

	amashumi tens	imivo ones
−		

43 − 22 = ____

	amashumi tens	imivo ones
−		

58 − 45 = ____

	amashumi tens	imivo ones
−		

49 − 34 = ____

	amashumi tens	imivo ones
−		

65 − 24 = ____

	amashumi tens	imivo ones
−		

89 − 38 = ____

	amashumi tens	imivo ones
−		

Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

1 Sombulula.
Solve.

10 – ____ = 7	14 – 8 = ____	40 – 5 = ____
30 – ____ = 27	24 – 6 = ____	65 – 20 = ____
60 – ____ = 52	37 – 9 = ____	98 – 40 = ____

2 Thabatha.
Subtract.

100 – 50 = ____	300 – ____ = 280	250 – 10 = ____

3 Thabatha usebenzise iikholam.
Subtract using columns.

65 – 24 = ____

	amashumi tens	imivo ones
–		

87 – 52 = ____

	amashumi tens	imivo ones
–		

53 – 21 = ____

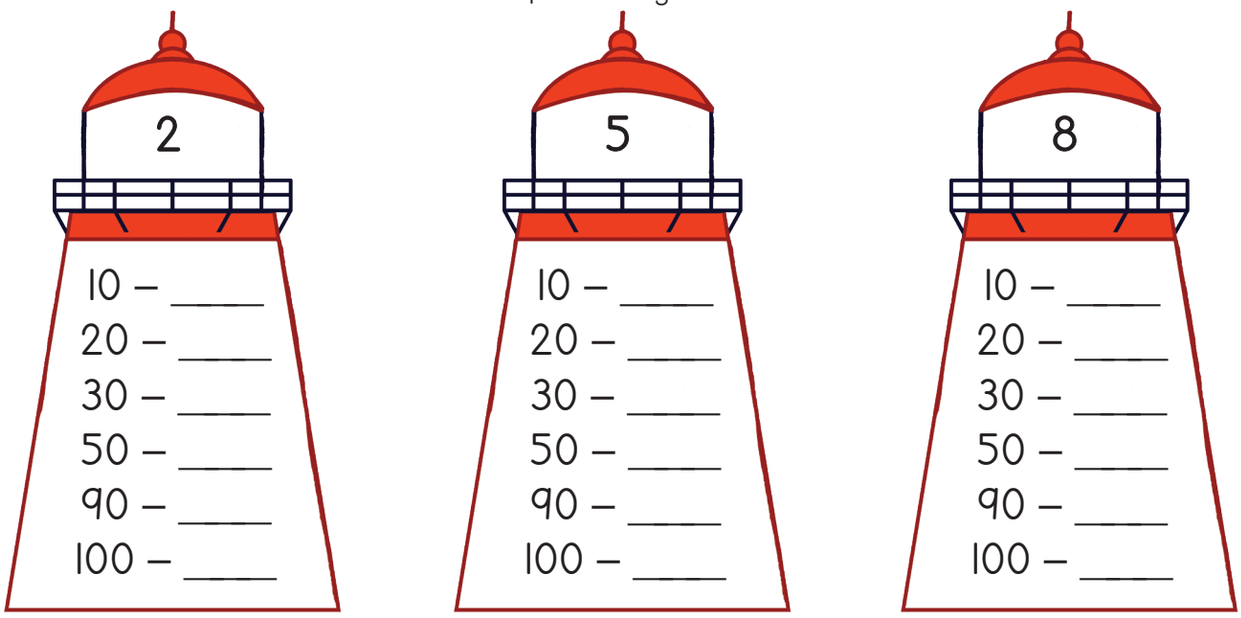
	amashumi tens	imivo ones
–		

Masithethe ngeMaths!
Let's talk Maths!

NgesiXhosa sithi:	In English we say:
Imivo elishumi iyafana ne-10 elinye.	Ten Is is the same as one 10.
isivakalisi manani	number sentence
thabatha	subtract
thabatha iziphindwa ze-10	subtract multiples of 10
Ama-10 alishumi ayafana ne-100 elinye.	Ten 10s is the same as one 100.
thabatha kuma-10	subtract from the 10s
thabatha kuma-100	subtract from the 100s

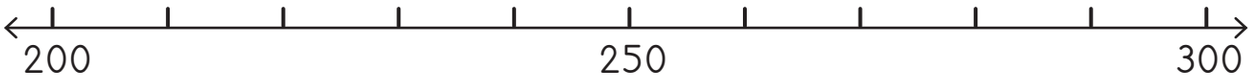
1 Thabatha ukuze wenze inani eliphezu kwendlu ekhanyisayo.

Subtract to make the number at the top of the lighthouse.



2 Thabatha usebenzise umgcamanani.

Subtract using the number line.



300 – 40 = ____	280 – 80 = ____	300 – 70 = ____

3 Sombulula.

Solve.

240 – 5 = ____	140 – 7 = ____	340 – ____ = 333
180 – ____ = 171	500 – 50 = ____	200 – 40 = ____

4 Thabatha.

Subtract.

74 – 51 = ____

	amashumi tens	imivo ones
–		

93 – 53 = ____

	amashumi tens	imivo ones
–		

56 – 24 = ____

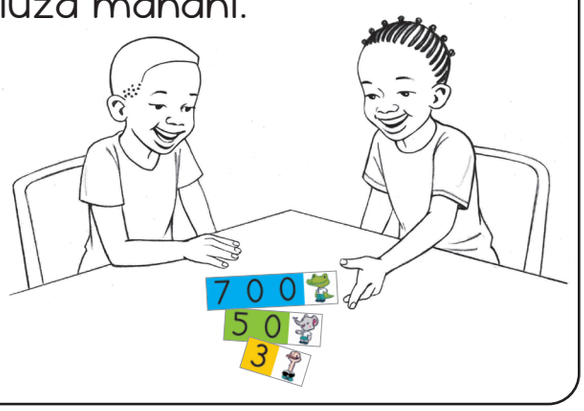
	amashumi tens	imivo ones
–		

Ukudibanisa nokuthabatha usebenzisa indlela yeekholam
Addition and subtraction using the column method

IZIBALO ZENTLOKO – MENTAL MATHS | LINGAPHANTSI KUNA- – LESS THAN → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

Umdlalo: Leliphi inani?
Game: What number?

- Veza inani usebenzise oonotsheluza manani.
  Show the number using your flard cards.
- Leliphi inani?
  What number?
- Mangaphi amakhulu? Mangaphi ama-10? Mingaphi imivo?
  How many 100s? How many 10s? How many 1s?



H	T	O

Jonga izibalo ezikwiikholam. Ungalibali ukudibanisa imivo kuqala uze ulandele ngama-10. Ufumana ntoni?
Look at the working in the columns. Remember to add the 1s first, then the 10s. What do you get?

	H	T	O
	1	5	6
+		1	2
	1	6	8

H	T	O

Jonga izibalo ezikwiikholam. Ungalibali ukuthabatha imivo kuqala uze ulandele ngama-10. Kushiyeka ntoni?
Look at the working in the columns. Remember to subtract the 1s first, then the 10s. What is left?

	H	T	O
	1	3	5
−		2	3
	1	1	2

1 Dibanisa uze uthabathe usebenzise iibloko.

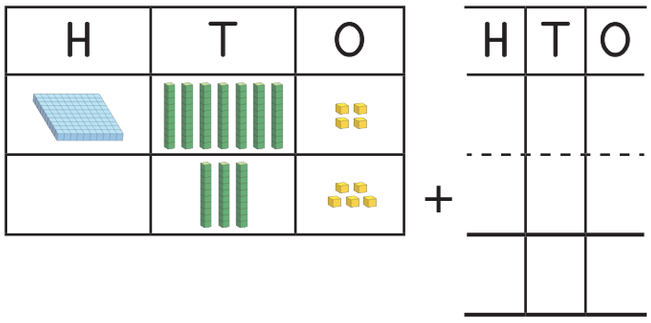
Add and subtract using blocks.

133 + 24 = 157	156 + 41 = ____	127 + 62 = ____
187 – 56 = 131	165 – 32 = ____	138 – 32 = ____

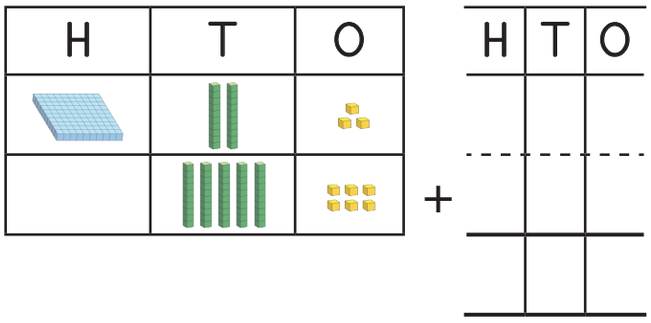
2 Dibanisa.

Add.

174 + 35 = ____



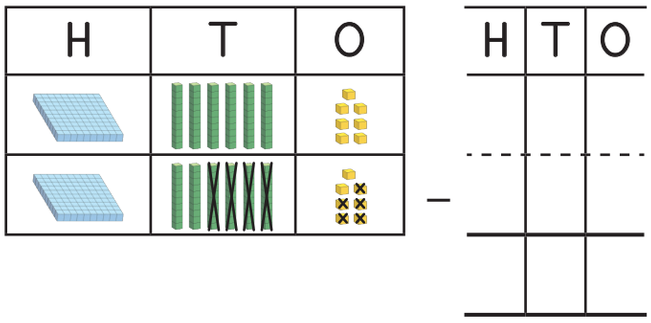
123 + 56 = ____



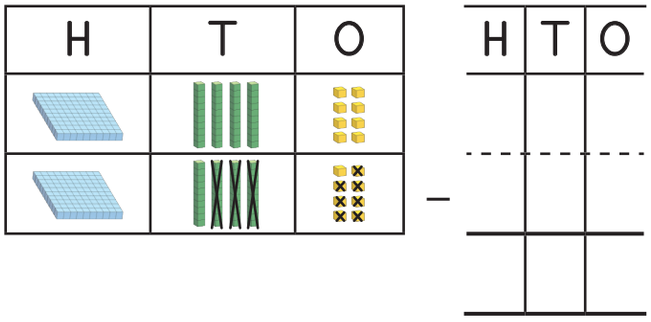
3 Thabatha.

Subtract.

167 – 45 = ____



148 – 37 = ____



4 Dibanisa usebenzise iibloko.

Add using blocks.

153 + 45 = ___

	H	T	O
+			

166 + 12 = ___

	H	T	O
+			

5 Thabatha usebenzise iibloko.

Subtract using blocks.

167 – 45 = ___

	H	T	O
–			

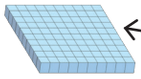
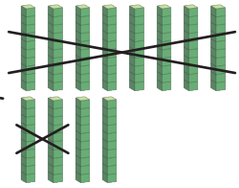
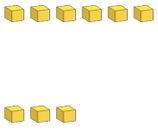
148 – 37 = ___

	H	T	O
–			

Ukudibanisa usebenzisa indlela yeekholam
Addition using the column method

IZIBALO ZENTLOKO – MENTAL MATHS | LINGAPHANTSI KUNA- – LESS THAN → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

86 + 43 = 129

H	T	O
		
1	2	9

	H	T	O
		8	6
+		4	3
	1	2	9

Ngamashumi ali-12 ewonke. Oku kwenza ikhulu eli-1 namashumi ama-2.

There are 12 tens altogether. That makes 1 hundred and 2 tens.

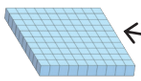
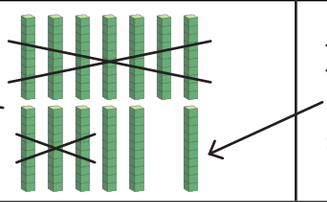
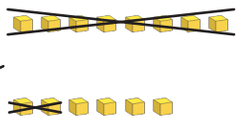
Yimivo eli-9 iyonke.

There are 9 ones altogether.

Nditshintshise ngamashumi ali-10. Ndifumene ikhulu eli-1. Ndine-129 zidibene.

I exchanged 10 tens for 1 hundred. I have 129 altogether.

78 + 56 = 134

H	T	O
		
1	3	4

	H	T	O
		1 7	8
+		5	6
	1	3	4

Ndinamashumi ali-13. Oko kwenza ikhulu eli-1 namashumi ama-3.

There are 13 tens. That makes 1 hundred and 3 tens altogether.

Ndinemivo eli-14. Oko kwenza ishumi eli-1 nemivo emine zidibene.

There are 14 ones. That makes 1 ten and 4 ones altogether.

Ndingatshintshisa ama-10 nemivo. Jonga kulo mzekelo.

I can exchange 10s and 1s! Look at this example.

1 Dibanisa usebenzise iibloko.

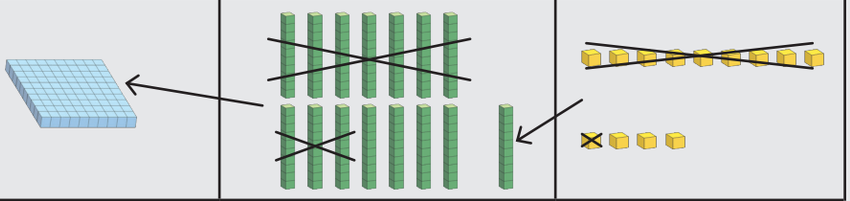
Add using blocks.

57 + 81 = 138	85 + 33 = ____	91 + 46 = ____	64 + 72 = ____
56 + 75 = 131	84 + 47 = ____	39 + 84 = ____	67 + 58 = ____

2 Dibanisa.

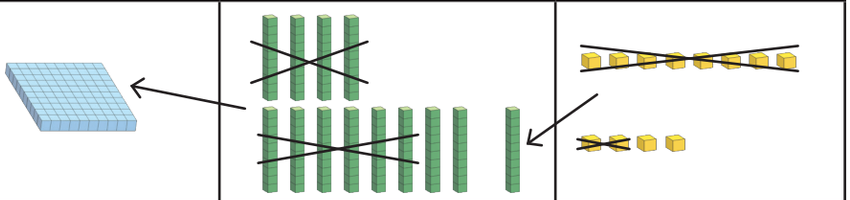
Add.

79 + 74 = 153

H	T	O
		
1	5	3

	H	T	O
		1 7	9
+		7	4
	1	5	3

48 + 84 = ____

H	T	O
		

	H	T	O
		4	8
+		8	4

3 Dibanisa. Sebenzisa iibloko zakho.

Add. Use your blocks.

39 + 78 = ___

	H	T	O
+			

43 + 99 = ___

	H	T	O
+			

65 + 89 = ___

	H	T	O
+			

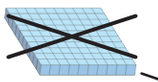
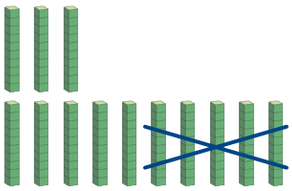
74 + 59 = ___

	H	T	O
+			

Ukuthabatha usebenzisa indlela yeekholam
Subtraction using the column method

IZIBALO ZENTLOKO – MENTAL MATHS | LINGAPHANTSI KUNA- – LESS THAN → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

138 – 53 = 85

H	T	O
		
0	8	5

H	T	O
1	3	8
–	5	3
	8	5

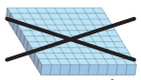
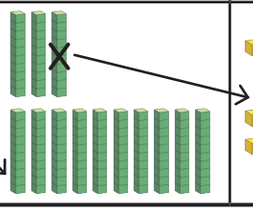
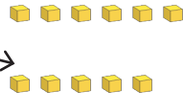
Nditshintshise ikhulu eli-1 ngamashumi ali-10. Ngoku ndinamashumi ali-13. Ndithabatha amashumi ama-5.

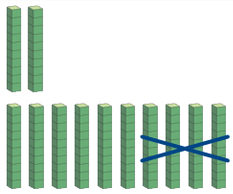
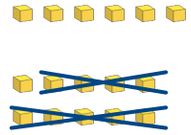
I exchanged 1 hundred for 10 tens. I have 13 tens now. I subtract 5 tens.

Ndithabatha imivo emi-3.
I subtract 3 ones.

Ndishiyekelwe ngama-85.
I have 85 left.

136 – 49 = 87

H	T	O
		

H	T	O
		
0	8	7

Nditshintshise ikhulu eli-1 ngamashumi ali-10. Ngoku ndinamashumi ali-13. Ndithshintshise ishumi eli-1 ngemivo eli-10. Ngoku ndinamashumi ali-13.

I exchanged 1 hundred for 10 tens. I have 13 tens now. I exchanged 1 ten for 10 ones. I have 16 ones now.

Ndithabatha ama-49. Kushiyeka ama-87.
I subtract 49. I have 87 left.

H	T	O
	2	1
1	~~3~~	6
–	4	9
	8	7

Bhala ngolu hlobo. Bonisa ukuba utshintshise ngantoni.
Write it like this. Show what you exchanged.

1 Thabatha usebenzise iibloko.

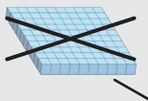
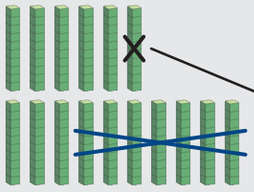
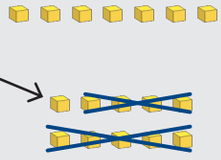
Subtract using blocks.

114 – 52 = 62	135 – 56 = ____	168 – 87 = ____	136 – 63 = ____
124 – 45 = 79	131 – 64 = ____	164 – 87 = ____	142 – 75 = ____

2 Thabatha.

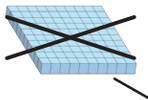
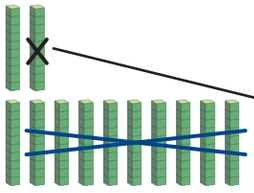
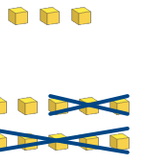
Subtract.

167 – 79 = 88

H	T	O
		
0	8	8

	H	T	O
	1	5 6	1 7
–		7	9
		8	8

123 – 98 = ____

H	T	O
		

	H	T	O
	1	2	3
–		9	8

3 Thabatha. Sebenzisa iibloko zakho.

Subtract. Use your blocks.

167 – 85 = ___

	H	T	O
–			

148 – 72 = ___

	H	T	O
–			

152 – 61 = ___

	H	T	O
–			

126 – 43 = ___

	H	T	O
–			

Ukudibanisa nokuthabatha usebenzisa iindlela zobuchule ezahlukeneyo Addition and subtraction using various strategies

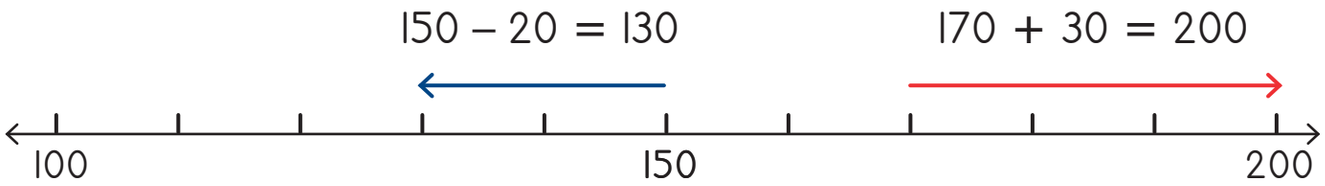
IZIBALO ZENTLOKO
MENTAL MATHS

LINGAPHANTSI KUNA-
LESS THAN

→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

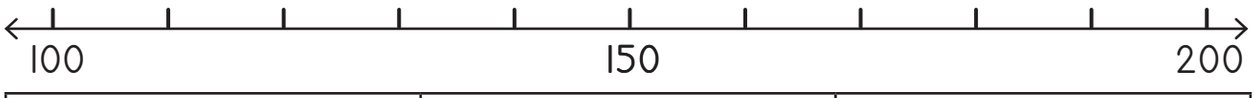


Dibanaisa uze uthabathe usebenzisa umgcamanani.
Xa uthabatha, uya ngasekhohlo.
Xa udibanisa uya ngasekunene.

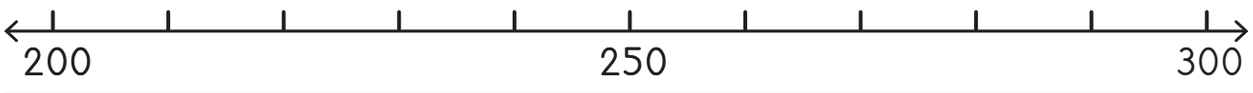
Add and subtract using a number line.
To subtract, move left
To add, move right.

1 Dibanisa usebenzise umgcamanani.

Add using the number line.



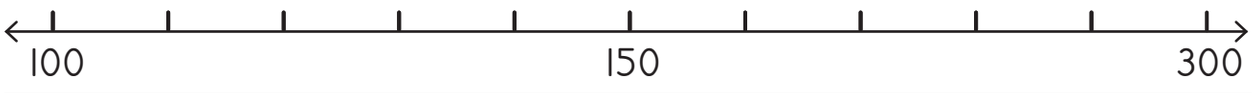
100 + 50 = ____	150 + 50 = ____	180 + 20 = ____



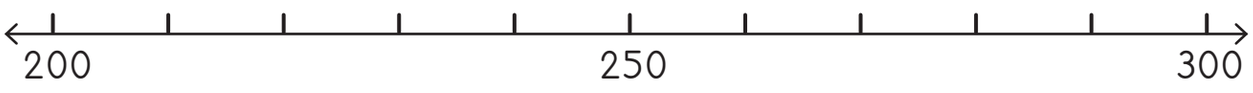
200 + ____ = 220	210 + ____ = 300	240 + ____ = 280

2 Thabatha usebenzise umgcamanani.

Subtract using the number line.



190 – 30 = ____	170 – 70 = ____	200 – 60 = ____



290 – ____ = 210	230 – ____ = 200	300 – ____ = 200

Ungabhala amanani kwiikholam ngolu hlobo. Ungadibanisa okanye uthabathe.

You can write numbers in columns like this. You can add or subtract.

	1	2	4
+		5	3
	1	7	7

	1	7	8
−		2	6
	1	5	2

3 Bhala amanani kwiikholam uze udibanise.

Write the numbers in columns and add.

113 + 35 = ____

	1	1	3
+		3	5
	1	4	8

182 + 25 = ____

156 + 31 = ____

127 + 52 = ____

161 + 17 = ____

124 + 75 = ____

4 Bhala amanani kwiikholam uze thabathe.

Write the numbers in columns and subtract.

153 − 42 = ____

	1	5	3
−		4	2
	1	1	1

186 − 64 = ____

178 − 43 = ____

169 − 55 = ____

148 − 36 = ____

195 − 81 = ____

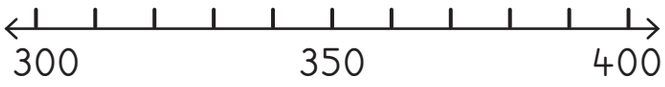
Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

1 Sombulula.
Solve.

62 + 31 = ____	462 + 31 = ____	78 – 25 = ____	278 – 25 = ____

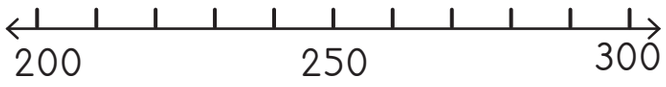
2 Sebenzisa lo mgcamanani udibanise.
Use the number line to add.



300 + 40 = ____

310 + 90 = ____

3 Sebenzisa lo mgcamanani uthabathe.
Use the number line to subtract.



300 – 30 = ____

280 – 70 = ____

4 Dibanisa usebenzise iikholam.
Add using columns.

65 + 74 = ____

	H	T	O
+			

5 Thabatha usebenzise iikholam.
Subtract using columns.

136 – 52 = ____

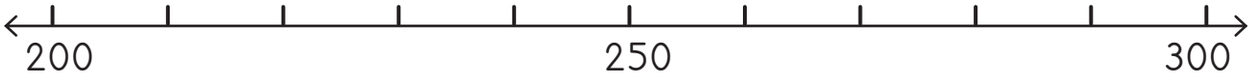
	H	T	O
–			

Masithethe ngeMaths!
Let's talk Maths!

NgesiXhosa sithi:	In English we say:
Imivo eli-10 iyafana neshumi eli-1.	Ten 1s is the same as one 10.
Ama-10 alishumi ayafana ne-100 elinye.	Ten 10s is the same as one 100.
isivakalisi manani	number sentence
dibanisa uze uthabathe	add and subtract
Yenza imitsi kumgcamanani.	Make jumps on a number line.
Sebenzisa iibloko ekubaleni ngemivo, ngamashumi nangamakhulu.	Use blocks to work with 1s, 10s and 100s.

1 Dibanisa ngomgcamanani.

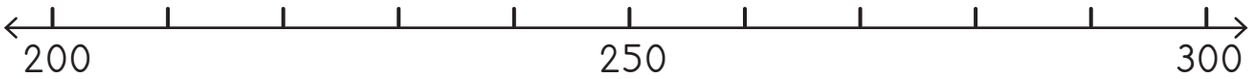
Add using the number line.



200 + 40 = ____	220 + 80 = ____	240 + 20 = ____

2 Thabatha ngomgcamanani.

Subtract using the number line.



290 – 40 = ____	280 – 60 = ____	300 – 40 = ____

3 Sombulula.

Solve.

240 + 50 = ____	230 + 70 = ____	220 + ____ = 300
300 – 50 = ____	300 – 40 = ____	300 – ____ = 210

4 Dibanisa.

Add.

76 + 62 = ____

43 + 91 = ____

154 + 25 = ____

5 Thabatha.

Subtract.

174 – 93 = ____

156 – 84 = ____

141 – 26 = ____

Umthamo: iilitha
Capacity: litres

Umdlalo: IMaths ekhawulezayo ngedayisi – umdyarho oya kwi-100
Game: Fast maths with dice – race to 100

- Phosa idayisi.
  Roll the dice.
- Dibanisa amanani.
  Add the numbers together.
- Nikanani amathuba okudlala.
  Take turns.
- Qhubeka ngokudibanisa ude ufike kwi-100.
  Keep adding till you get to 100.

1 Sebenzisa izikhongozeli oziqokeleleyo uze uzihlele zibe ngamaqela amathathu.
Use the containers that you have collected and sort them into three groups.

Yenzani le misebenzi ngokwamaqela.
Do these activities in a group.

Singaphantsi kwelitha e-1. Less than 1 litre	Siphantse silingane nelitha. Almost a litre	Singaphezulu kunelitha e-1. More than 1 litre

2 Cwangcisa ezi zikhongozeli zingasentla uqale ngesinokuthatha owona mthamo mncinci uye kwesithatha owona mthamo mkhulu. Zoba/bhala amagama ngolandelelwano oluchanekileyo.
Arrange the containers above in order from the containers that can hold the least to the containers that can hold the most. Draw/write the names in the correct order.

3 Tshatisa izikhongozeli nemilinganiselo echanekileyo.

Match the containers with the correct measures.




ilitha e-1	iilitha ezi-2	iilitha ezi-5	iilitha ezisi-8
1 litre	2 litres	5 litres	8 litres

4 Ibhotile nganye yobisi inomthamo ongangee-3 ℓ. Ubisi lugalelwe embizeni lonke. Imbiza esehafini. Ungakanani umthamo wale mbiza?

Each bottle holds 3 ℓ. All the milk is poured into a pot.
he pot is half full. What is the full capacity of the pot?

5 ULebo une-emele engangeelitha ezi-5 nenye engangeelitha ezi-2. Kufuneka azalise idanyana ngeelitha zamanzi ezili-19. Zingaphi iiemele ezithatha i-5 ℓ ne-2 ℓ anokuzisebenzisa uLebo?


5 ℓ


2 ℓ

Lebo has a 5 litre bucket and 2 litre bucket. She needs to fill a little pond with 19 litres of water. What combination of 5 ℓ and 2 ℓ buckets of water can Lebo use?

6 Itanki elincinci lamanzi linomthamo ongange-75 ℓ. Iemele yamanzi inomthamo ongange-5 ℓ. Kukhiwe iiemele ezilithoba etankini. Angakanani amanzi ashiyekileyo etankini?


5 ℓ

75 ℓ

A small water tank holds 75 ℓ of water. A bucket holds 5 ℓ of water. Nine buckets are taken from a full tank. How much water is left in the tank?

Umthamo: amatisipuni neekomityi
Capacity: teaspoons and cups

IZIBALO ZENTLOKO
MENTAL MATHS

FIZZ POP! YAHLULA KUBINI!
FIZZ POP! HALVE!

→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

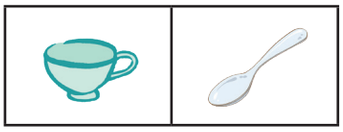
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

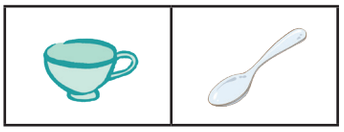
Yenzani le misebenzi ngokwamaqela.
Do these activities in a group.

1

	linganisela nge- measure with	qikelela estimate	umlinganiselo measurement	umahluko difference
		20 amatisipuni spoons	17 amatisipuni spoons	3 amatisipuni spoons
				
				
				
				

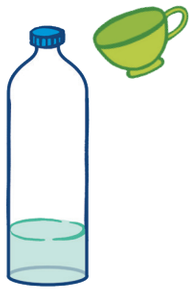
2 Uza kuwulinganisela ngantoni umthamo wezi zikhongozeli?
What will you use to measure the capacity of the following containers?





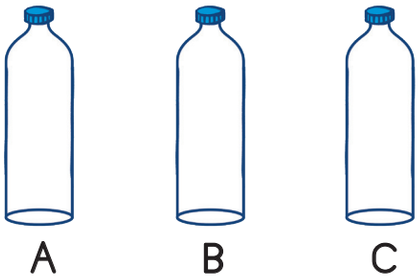
3 Zoba umlinganiselo ocinga ukuba uya kwenziwa zezi komityi kwibhotile nganye.

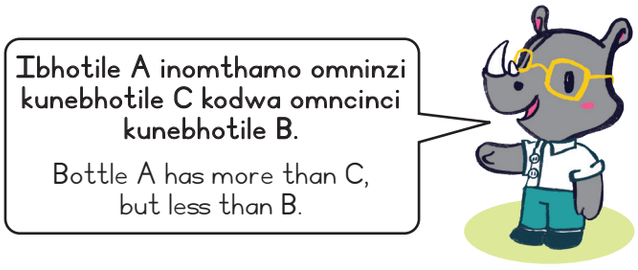
Draw up to where you think the cups will fill each bottle.



4 Qikelela uze ufakele umbala kwezi bhotile ubonise ubungakanani bolwelo olukwibhotile nganye.

Read the clues, then colour to show how much liquid is in each bottle.





5 Kuphuma iikomityi ezi-4 zejusi kwilitha enye. Zingaphi iikomityi zejusi kwezi litha?

There are 4 cups of juice in one litre. How many cups of juice in:

iilitha ezi-2 2 litres	8
iilitha ezi-3 3 litres	
iilitha ezi-5 5 litres	

6 Le jusi kufuneka ixutywe namanzi. Ikomityi e-1 yejusi + iikomityi ezi-3 zamanzi = iikomityi ezili-12 zesiselo esibandayo. Zingaphi iikomityi zesiselo esibandayo anokuzenza uLebo ngelitha e-1 yejusi?

This juice must be mixed with water. 1 cup of juice + 3 cups of water = 12 cups of cooldrink. How many cups of cooldrink can Lebo make with 1 litre of juice?

Umthamo: iimililitha
Capacity: millilitres

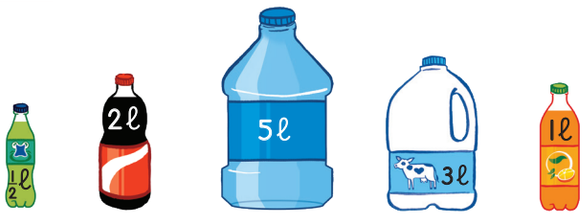
IZIBALO ZENTLOKO
MENTAL MATHS

FIZZ POP! YAHLULA KUBINI!
FIZZ POP! HALVE!

→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS



1 Qwalasela ezi zikhongozeli. Zingaphi iibhotile zeSpritzer eziya kuzalisa:

Study the containers. How many Spritzer bottles will fill the:

ibhotile yejusi? juice bottle?	ibhotile yeCola? Cola bottle?	ibhotile yobisi? milk bottle?	ibhotile yamanzi? water bottle?
2			

Zingaphi iibhotile zejusi eziya kuzalisa:

How many juice bottles will fill the:

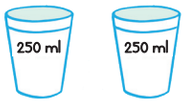
ibhotile yeCola? Cola bottle?	ibhotile yobisi? milk bottle?	ibhotile yamanzi? water bottle?	ibhotile yeSpritzer? Spritzer bottle?
2			

2 ULebo uza kuba netheko. Ufuna ukuqinisekisa ukuba wonke umntu oza kuba kwelo theko ufumana ikomityi e-1 yeCola. Le komityi inomthamo ongange-250 ml. Zingaphi iikomityi ezinokuzaliswa yibhotile yeCola eziilitha ezi-2?

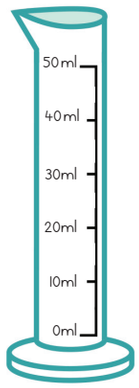
Lebo is having a party. She wants to make sure that everyone at her party has 1 cup of Cola. The cup can hold 250 ml. How many cups will a 2 litre bottle of Cola fill?

3 Ikomityi enye inomthamo ongange-250 ml. Bala:

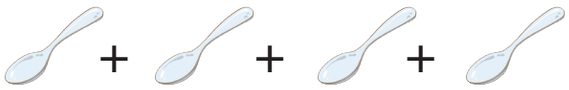
One cup holds 250 ml. Calculate:

	= _____ ml
	= _____ ml
	= _____ ml = ____ ℓ

Itisipuni linomthamo oyi-5 ml.
The capacity of a teaspoon is 5 ml.



4 Fakela umbala kumyinge othile wamanzi akwisilinda.
Colour in the amount of water in the cylinder.



5 Mangaphi amatisipuni amanzi anokuzalisa ezi zikhongozeli:
How many spoons of water do you need to fill the container to:

10 ml = 2 amatisipuni spoons	20 ml = ____ amatisipuni spoons
40 ml = ____ amatisipuni spoons	50 ml = ____ amatisipuni spoons

6 Khetha ingqikelelo engcono yomthamo wesikhongozeli ngasinye.
Choose the best estimate of capacity for each container.

200 ml	2 ℓ

7 ℓ	750 ml

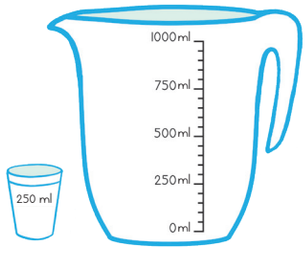
170 ℓ	170 ml

300 ml	30 ℓ

2 ℓ	250 ml

100 ml	1 ℓ

7 Ukuba ikomityi enye izalisa ijagi kangange-250 ml, zingaphi iikomityi ezinokuzaliza ilitha yejagi kangangale milinganiselo:
If one cup fills the jug to the 250 ml mark, how many cups do you need to fill the litre jug to:



500 ml = iikomityi ezi-____ ____ cups	1000 ml = iikomityi ezi-____ ____ cups
750 ml = iikomityi ezi-____ ____ cups	1 ℓ = iikomityi ezi-____ ____ cups

Umthambo
Capacity

IZIBALO ZENTLOKO
MENTAL MATHS

FIZZ POP! YAHLULA KUBINI!
FIZZ POP! HALVE!

→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

1 Zalisa isikhongozeli uze ulinganisele umthamo ngeejagi.

Fill the container then use the jugs to measure the capacity.

Sebenzisa izikhongozeli ezingenanto oziqokeleleyo.

Use the empty containers that you have collected.

	qikelela estimate	linganisela(ml) measure	umahluko difference
			
			
			
			
			

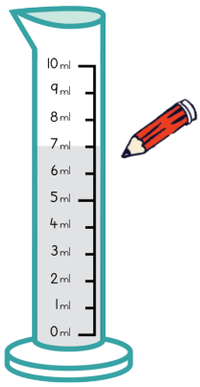
2 ULebo wenza ikhastadi nejeli elungiselela itheko lakhe. Usebenzisa iikomityi ezi-2 kwikhastadi. Ukuba uyiphinda kabini iresiphi yakhe, uza kusebenzisa ubisi olungakanani?

Lebo is making jelly and custard for her party. She uses 2 cups of milk for the custard. If she doubles the recipe, how much milk will she need?

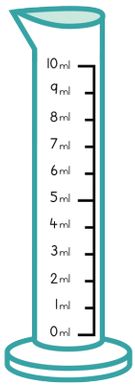
Ikomityi e-____ yobisi. _____ cups of milk.	_____ ml zobisi. _____ ml of milk.	iilitha ezi-____ zobisi. _____ litres of milk.

3 Fakela umbala kwijagi nganye ubonise umthamo wayo.

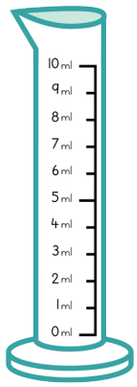
Colour each jug to show the volume.



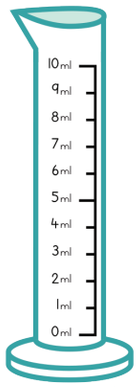
7 ml



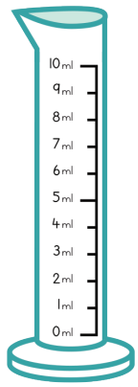
5 ml



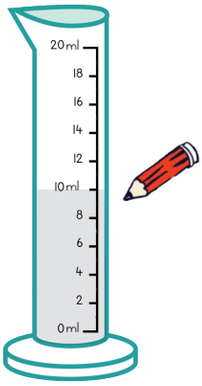
10 ml



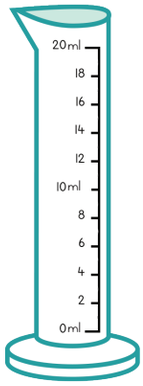
2 ml



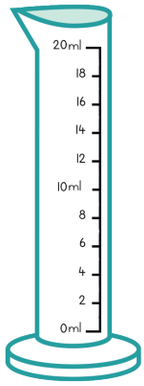
9 ml



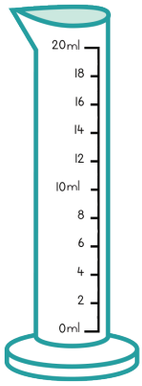
10 ml



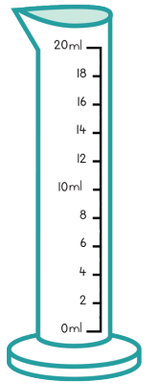
18 ml



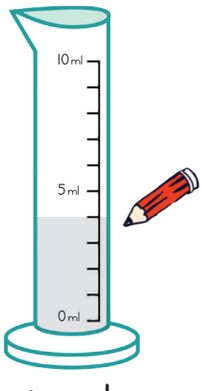
8 ml



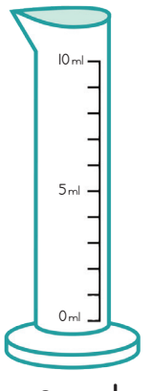
9 ml



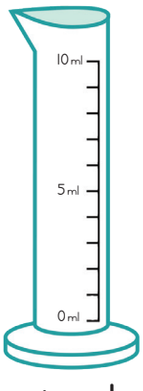
15 ml



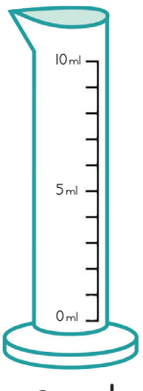
4 ml



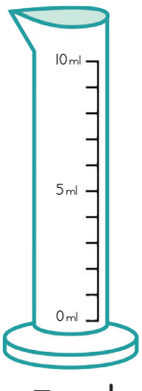
2 ml



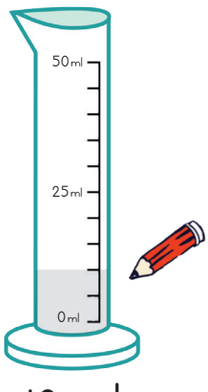
6 ml



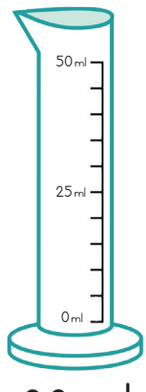
8 ml



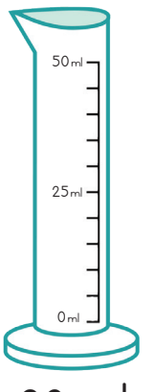
5 ml



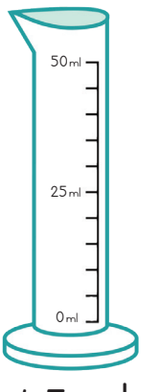
10 ml



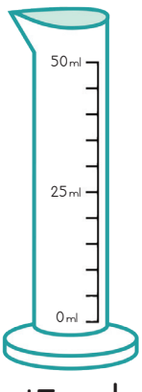
20 ml



30 ml



45 ml



15 ml

Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

1 Qikelela umthamo wezi zikhongozeli.
Estimate the capacity of these containers.

a.	b.	c.	d.
			

Misa izinto ezikhoyo ngokokunyuka kwazo ukusuka kowona mthamo mncinci (1) uye kowona mthamo mkhulu (4).

Now order the objects in ascending order from the smallest capacity (1) to the largest capacity (4).

2

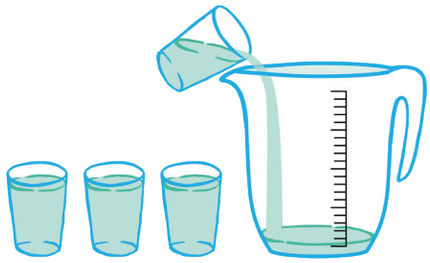
	umthamo ngokwee-ml capacity in ml		umthamo ngokweekomityi capacity in cups
 340 ml		 1 ℓ	
 1000 ml		 500 ml	

Masithethe ngeMaths!
Let's talk Maths!

NgesiXhosa sithi:	In English we say:
ilitha	litre
iimililitha	millilitres
umthamo	capacity
thelekisa	compare
qikelela	estimate

1 Iigilasi ezine zamanzi zizalisa ijagi enye. UThato uneegilasi ezingama-20 zamanzi. Zingaphi iijagi anokuzizalisa?

Four glasses of water fill one jug. Thato has 20 glasses of water. How many jugs can he fill?



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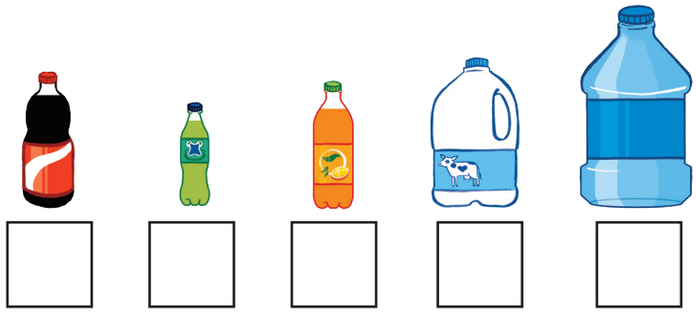
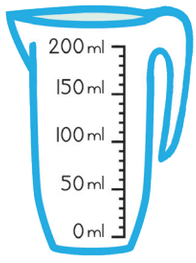
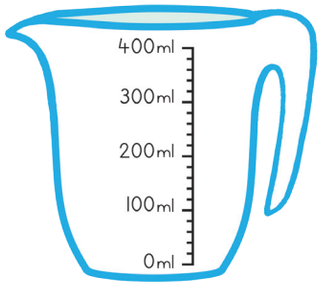
2 Misa izikhongozeli uqale ngesona sinolwelo oluninzi ugqibele ngesona sinolwelo oluncinci.

Arrange the containers in order from the ones that can hold the most liquid to the least.



3 Qwalasela isikali sejagi nganye.

Study the scale of each jug.

	
Kule jagi isikali sinyuka ngokwemilinganiselo ye-____ ml. On this jug the scale goes up in intervals of _____ ml.	Kule jagi isikali siyenyuka ngokwemilinganiselo ye____ ml. On this jug the scale goes up in intervals of _____ ml.

4 Ukuba ikomityi enye izalisa ijagi kangange-200 ml, zingaphi iikomityi ezifunekayo ukuze zizalise ijagi engangelitha?

If one cup fills the jug to the 200 ml mark, how many cups do you need to fill the litre jug up to:

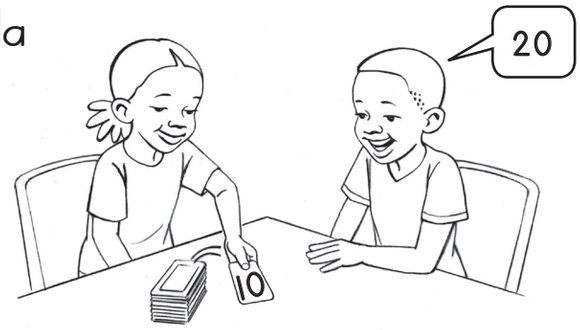
400 ml = iikomityi ezi-____ ____ cups	600 ml = iikomityi ezi-____ ____ cups
800 ml = iikomityi ezi-____ ____ cups	1 ℓ = iikomityi ezi-____ ____ cups

Ukubala ngezi-2, izi-3, izi-4, izi-5 nangama-10
Counting in 2s, 3s, 4s, 5s and 10s

IZIBALO ZENTLOKO MENTAL MATHS | FIZZ POP! PHINDA KABINI! FIZZ POP! DOUBLE! → UMDLALO GAME → UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA WORKSHEETS

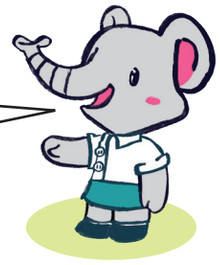
Umdlalo: IMaths ekhawulezayo ngamakhadi – ukuphinda kabini
Game: Fast maths with cards – double

- Yenza isicuku samakhadi aqala ku-0 aye kuma-20.
  Place number cards 0 to 20 in a pile.
- Guqula ikhadi libe linye.
  Flip over one card.
- Phinda kabini!
  Double!



Qwalasela le migcamanani mibini. Inobude obulinganayo kudwa iphawulwe ngokwahlukeneyo. Xoxa neqabane lakho ngalo mahluko.

Look closely at the two number lines. They are the same length, but the markings are different. Talk to your partner about the difference.



1 Phawula imigcamanani ngezi-2 nangezi-4.
Complete the labels of the number lines in 2s and 4s.

328 ___ ___ ___ ___ ___ 340

328 ___ ___ 340

Biyela ngesangqa amanani akho kuyo yomibini, owezi-2 nowezi-4.
Circle the numbers that are in both the 2s and the 4s.

2 Phawula imigcamanani ngezi-5 nangama-10.
Fill in the labels of the number lines in 5s and 10s.

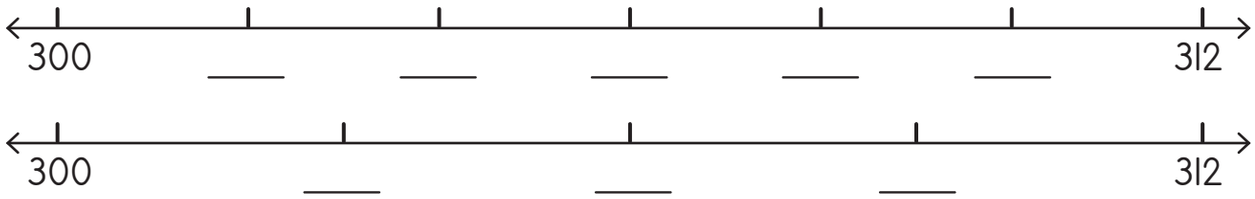
210 ___ ___ ___ ___ ___ 240

210 ___ ___ 240

Biyela amanani akho kuyo yomibini, owezi-5 nowama-10.
Circle the numbers that are in both the 5s and the 10s.

3 Phawula imigcamanani ngezi-2 nezi-3.

Complete the labels of the number lines in 2s and 3s.



Biyela amanani akho kuyo yomibini, owezi-2 nowezi-3.

Circle the numbers that are in both the 2s and the 3s.

4 Yandisa ipatheni.

Extend the pattern.

112	116	120	124	128	132				
400	398	396							
201	204	207							
300	297	294							
100	104	108							
400	396	392							
250	255	260							
500	495	490							
300	310	320							
100	90	80							

5 Bhala inani.

Write the number.

phambi before	
	148
	133
	128

phakathi between		
138		140
142		144
146		148

emva after	
129	
137	
149	

USUKU 2 • DAY 2

Ukubala ngama-10, ama-20 nama-50
Counting in 10s, 20s and 50s

IZIBALO ZENTLOKO
MENTAL MATHS

FIZZ POP! PHINDA KABINI!
FIZZ POP! DOUBLE!

→ UMDLALO
GAME

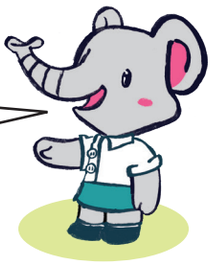
→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

1 Phawula imigcamanani ngama-10 nama-20.
Complete the labels of the number lines in 10s and 20s.

Ungasebenzisa imigcamanani ukuze ufumane amanani afumaneka kuzo zombini iipatheni zamanani. Ngawaphi amanani akuyo yomibini?

You can use the number lines to find numbers that are common to both number patterns. Which numbers are on both?

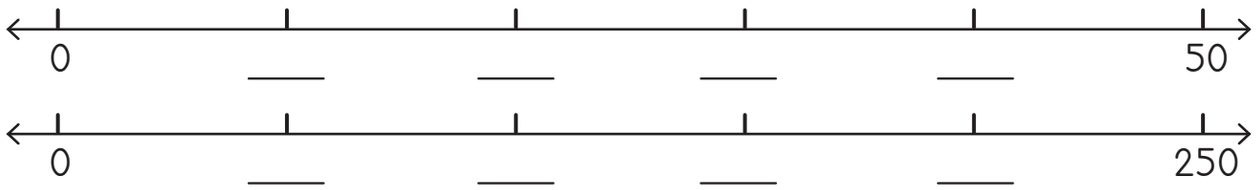


Biyela ngesangqa amanani afumaneka kuyo yomibini, eyama-10 neyama-20.
Circle the numbers that are in both the 10s and the 20s.

2 Phawula imigcamanani ngama-20 nama-50.
Complete the labels of the number lines in 20s and 50s.

Biyela ngesangqa amanani afumaneka kuyo yomibini, owama-20 nowama-50.
Circle the numbers that are in both the 20s and the 50s.

3 Phawula imigcamanani ngama-10 nama-50.
Complete the labels of the number lines in 10s and 50s.



Biyela ngesangqa amanani afumaneka kuyo yomobini, owama-10 nowama-50.
Circle the numbers that are in both the 10s and the 50s.

4 Uqaphela ntoni xa ndibala:

What is common if I count:

ngama-10 nama-20 ukusukela kuma-200 ukuya kuma-300?

in 10s and 20s from 200 to 300?

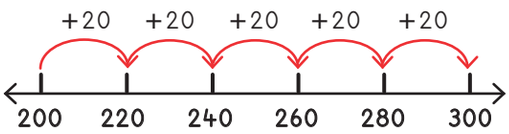
200 , 220 , 240 , 260 , 280 , 300

ngama-20 nama-50 ukusukela kuma-200 ukuya kuma-300?

in 20s and 50s from 200 to 300?

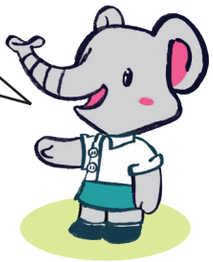
ngama-10 nama-50 ukusukela kwi-100 ukuya kuma-500?

in 10s and 50s from 100 to 500?



Le patheni ibala ngokuya phambili ngama-20 ukusukela kuma-200 ukuya kuma-300.

This pattern is counting forwards in 20s starting at 200 and up to 300.



5 Chaza ezi patheni. Thetha neqabane lakho.

Describe these patterns. Talk to your partner.

100, 120, 140, 160, 180, 200

400, 380, 360, 340, 320, 300

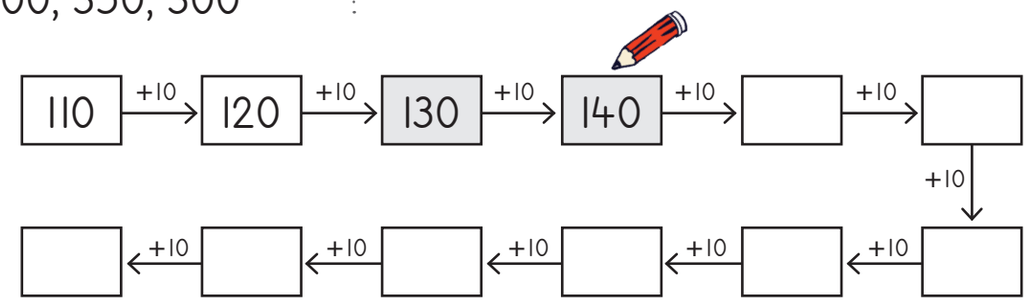
500, 450, 400, 350, 300

200, 250, 300, 350, 400, 450, 500

300, 310, 320, 330, 340, 350

6 Dibanisa i-10 rhoqo.

Always add 10.



7 Bhala inani.

Write the number.

phambi before	
	321
	439
	350

phakathi between		
248		250
226		228
232		234

emva after	
339	
429	
479	

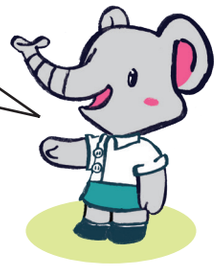
Ukubala ngama-10, ama-20, ama-50 nama-100
Counting in 10s, 20s, 50s and 100s

1 Fakela umbala kwiipatheni ezikwisikwere se-1000 ngolu hlobo.

Colour the patterns in the 1000 square in this order.

Ezinye iibloko zinokufakelwa umbala kaninzi. Xoxa neqabane lakho. Kubangelwa yintoni oku?

Some blocks can be coloured more than once. Speak to your partner. Why does this happen?



ama-100		ama-20		ama-50		ama-10	
100s		20s		50s		10s	

10	20	30	40	50	60	70	80	90	100
110	120	130	140	150	160	170	180	190	200
210	220	230	240	250	260	270	280	290	300
310	320	330	340	350	360	370	380	390	400
410	420	430	440	450	460	470	480	490	500

2 Biyela ngesangqa amanani angangeniyo kwezi patheni.

Circle the numbers that do not belong in the patterns.

200, 210, 220, 230, 235, 240

405, 410, 415, 420, 423, 425

80, 180, 290, 380, 480, 580

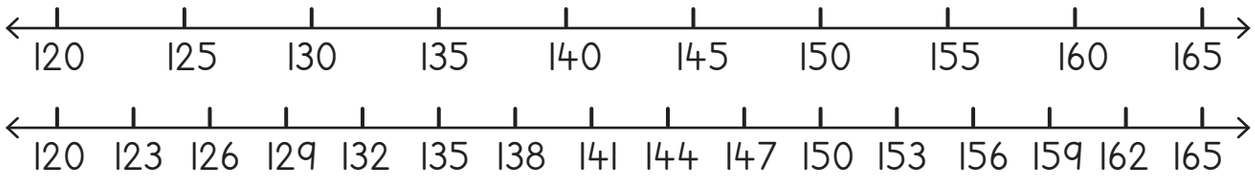
100, 200, 300, 350, 400, 500

300, 325, 350, 370, 375, 600

320, 240, 250, 360, 380, 400

3 Le migcamanani iphawulwe ngezi-5 nangezi-3.

The number lines are labelled in 5s and 3s.



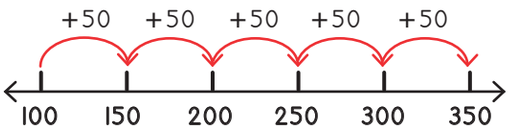
Biyela ngesangqa amanani afumaneka kwizi-3 nakwizi-5.

Circle the numbers that are in both the 3s and the 5s.

4 Leliphi inani elivela qho xa ndibala:

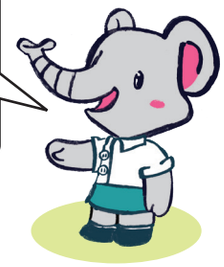
What is common if I count:

ngama-20 nama-50 ukusukela kuma-300 ukuya kuma-500? in 20s and 50s from 300 to 500? 300 , 400 , 500	ngama-50 nama-100 ukusukela kuma-200 ukuya kuma-500? in 50s and 100s from 200 to 500?
ngama-10 nama-50 ukusukela kuma-400 ukuya kuma-500? in 10s and 50s from 400 to 500?	ngama-20 nama-50 ukusukela kwi-100 ukuya kuma-400? in 20s and 50s from 100 to 400?



Le patheni ibala ngokuya phambili ngama-50 ukusukela kwi-100 ukuya kuma-350.

This pattern is counting forwards in 50s starting at 100 up to 350.



5 Chaza ezi patheni. Thetha neqabane lakho.

Describe these patterns. Talk to your partner.

100, 200, 300, 400, 500

220, 230, 240, 250, 260

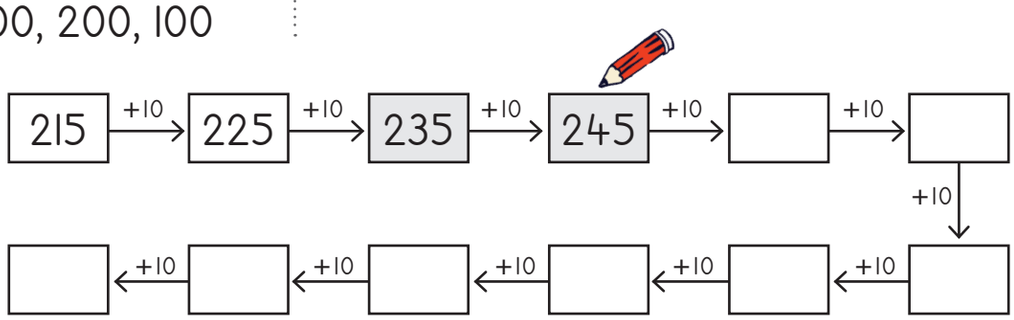
500, 400, 300, 200, 100

460, 440, 420, 400, 380

250, 300, 350, 400, 450

6 Dibanisa i-10 rhoqo.

Always add 10.



7 Bhala inani.

Write the number.

phambi before	
	148
	443
	340

phakathi between		
348		350
342		344
346		348

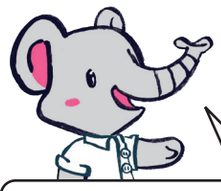
emva after	
446	
342	
241	

Ukubala ngezi-2, izi-3, izi-4, izi-5, ama-10, ama-20, ama-50 nangama-100 Counting in 2s, 3s, 4s, 5s, 10s, 20s, 50s and 100s

IZIBALO ZENTLOKO MENTAL MATHS | FIZZ POP! PHINDA KABINI! FIZZ POP! DOUBLE! → UMDLALO GAME → UPHUHLISO LWENGQIQO CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA WORKSHEETS

1 Gqibezela esi sikwere se-100.

Complete the 100 square.



Xoxa neqabane lakho. Yeyiphi ipatheni yamanani oyiqaphelayo kwiibloko ezinombala?

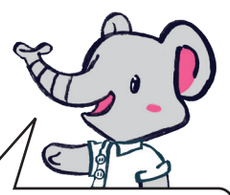
Talk to your partner. What number pattern do you see in the shaded blocks?

1	2			5		7		9	
		13						19	20
		23	24		26		28		
		33			36				
							48		
					56	57			
61	62	63						69	
	72	73							
		83	84						90
									100

2 Gqibezela esi sikwere se-1000.

Complete the 1000 square.

10	20	30	40		60	70		90	100
110		130	140	150	160	170	180	190	200
210	220		240	250		270	280	290	300
310	320	330		350	360	370	380	390	400
410	420	430	440		460	470	480	490	



Xoxa neqabane lakho. Yeyiphi ipatheni yamanani oyiqaphelayo kwiibloko ezinombala ozuba?

Talk to your partner. What number pattern is shaded blue?

3 Biyela ngesangqa amanani angahambelaniyo neepatheni.

Circle the numbers that do not belong in the patterns.

5, 10, 15, 18, 20, 25, 30

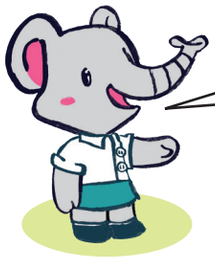
105, 110, 111, 115, 120, 125

440, 460, 480, 500, 510

4, 8, 12, 16, 18, 22, 24

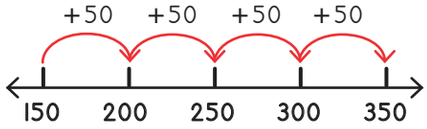
200, 240, 250, 300, 350

320, 240, 250, 360, 380, 400



Xoxa neqabane lakho ngeepatheni ezikweli phepha. Zikhula njani? Uthini umgaqo?

Talk to your partner about the patterns on this page. How do they grow? What is the rule?



Le patheni ikhula ngokukhula ngama-50 ngexesha ngalinye. Umgaqo wale patheni uthi dibanisa ama-50.

This pattern grows by getting bigger by 50 each time. The rule for the pattern is add 50.

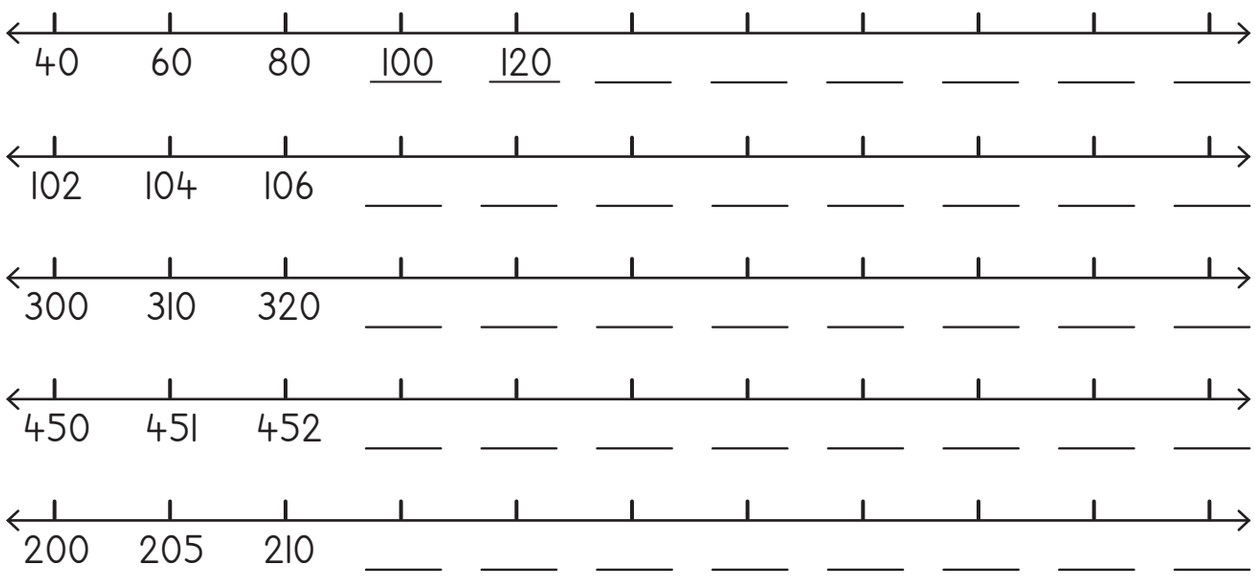
4 Gqibezela ezi patheni. Zikhula njani? Uthini umgaqo?

Complete these patterns. How do they grow? What is the rule?

127	130	133	136	139	142				
108	105	102							
244	246	248							
406	404	402							
300	305	310							
260	255	250							
		400	450	500					
	150	200	250						

5 Phawula imigcamanani. Uthini umgaqo?

Label the number lines. What is the rule?



Uvavanyo noqukaniso
Assessment and consolidation

UVAVANYO ASSESSMENT → IPHEPHA LOKUSEBENZELA WORKSHEET

1 Phawula imigcamanani.
Label the number lines.

301 302 303 304 305 ____ ____ ____ 309 ____ ____

100 120 ____ 160 ____ ____ 220 240 ____ ____ 300

2 Uqaphela ntoni efanayo xa ndibala:
What is common if I count:

ngama-10 nama-50 ukusekela kwi-100 ukuya kuma-200? in 10s and 50s from 100 to 200?	ngama-20 nama-100 ukusukela kuma-200 ukuya kuma-400? in 20s and 100s from 200 to 400?

3 Gqibezela ipatheni.
Complete the patterns.

____, 400, 405, 410, 415, ____

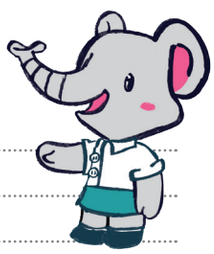
100, ____, 300, 400, ____

4 Biyela amanani angahambelaniyo neepatheni ngesangqa.
Circle the number that does not belong in each pattern.

180, 190, 200, 205, 210, 220

303, 306, 309, 312, 315, 316

Masithethe ngeMaths!
Let's talk Maths!



NgesiXhosa sithi:	In English we say:
ukuya phambili	forwards
ukubuya umva	backwards
ipatheni yamanani	number pattern
ulandelelwano	sequence
inani elilandelayo	next term
umgcamanani	number line

1 Gqibezela isikwere se-1000.

Complete the 1000 square.

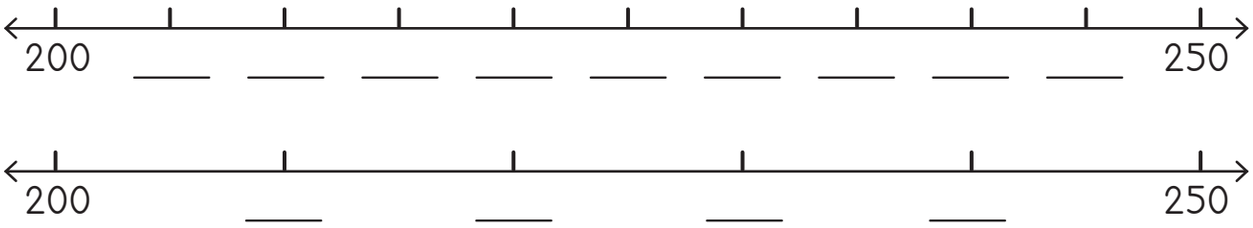
10		30	40		60	70		90	100
110		130			160			190	
	220		240			270			
310		330		350			380		400
410		430			460		480		

Yeyiphi ipatheni oyiqaphelayo xa usehla neekholam eziluhlaza? Xoxa neqabane lakho.

What pattern do you see when you go down the green columns? Talk to your partner.

2 Phawula imigcamanani ngezi-5 nama-10.

Complete the labels of the number lines in 5s and in 10s.

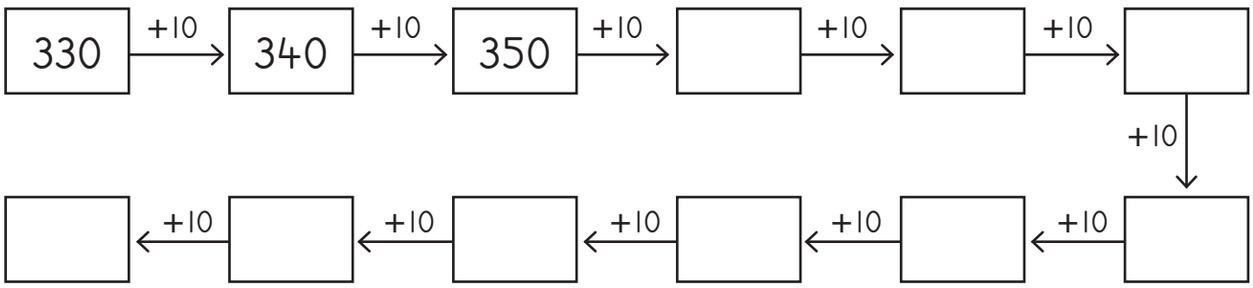


Biyela amanani akuma-5 nakuma-10 ngesangqa.

Circle the numbers that are in both the 5s and the 10s.

3 Dibanisa i-10 rhoqo.

Always add 10.



IVEKI • WEEK 9

USUKU 1 • DAY 1

Leliphi inani elishiyiweyo? (1)
What's the missing number? (1)

IZIBALO ZENTLOKO
MENTAL MATHS

LINGAPHEZULU OKANYE LINGAPHANTSI KUNA-
MORE THAN AND LESS THAN

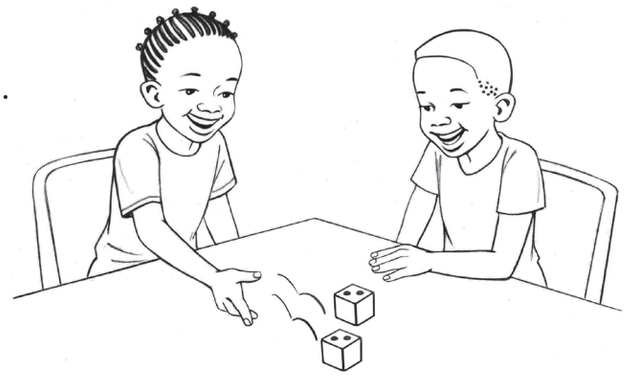
→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

Umdlalo: IMaths ekhawulezayo ngedayisi – umdyarho oya ku-0
Game: Fast maths with dice – race to 0

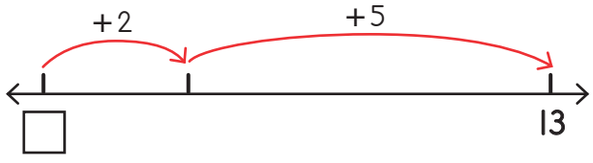
- Phosa idayisi. Uphose ntoni?
  Roll the dice. What did you throw?
- Thabatha inani lakho kwi-100.
  Subtract your number from 100.
- Qhubeka nokuthabatha ude ufike ku-0.
  Keep subtracting till you get to 0.
- Tshintshiselanani.
  Take turns.



Amanani ashiyiweyo singawafumana ngokusebenzisa umgcamanani! Jonga ukuba sikwenza njani oko.
We can use number lines to find missing numbers! Look at how it is done.

Yenza umgcamanani uze ubhale i-ikhweyizhini entsha.
Draw the number line and write the new equation.

____ + 5 + 2 = 13



13 – 5 – 2 = 6

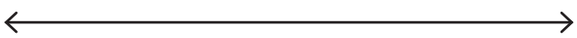
Isisombululo sisi-6.
The solution is 6.

1 Sombulula ngokusebenzisa umgcamanani.
Use a number line to solve.

____ – 5 – 6 = 8

____ + 2 – 9 = 11

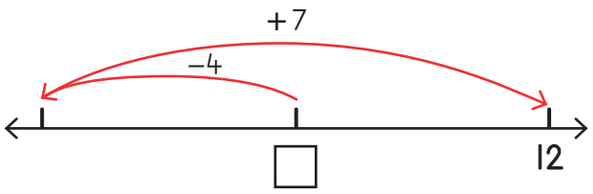
____ – 6 + 7 = 9



Yenza umgcamanani uze ubhale i-ikhweyizhini entsha.

Draw the number line and write the new equation.

____ – 4 + 7 = 12



12 – 7 + 4 = 9

Isisombululo li-9.

The solution is 9.

2 Sombulula. Sebenzisa umgcamanani ukuncede.

Solve. Use a number line to help you.

____ – 4 – 5 = 2

____ + 7 + 1 = 12

____ – 6 + 3 = 7

____ + 9 – 1 = 11

____ – 8 – 8 = 4

____ + 5 + 7 = 20

____ – 4 + 6 = 15

____ + 3 – 7 = 13

USUKU 2 • DAY 2

Leliphi inani elishiyiweyo? (2)

What's the missing number? (2)

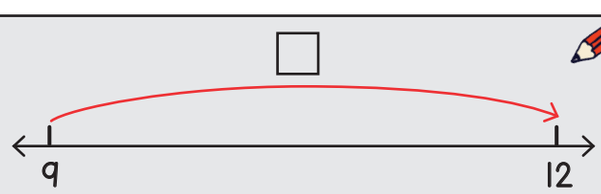
IZIBALO ZENTLOKO — MENTAL MATHS | LINGAPHEZULU OKANYE LINGAPHANTSI KUNA- — MORE THAN AND LESS THAN → UMDLALO — GAME → UPHUHLISO LWENGQIQO — CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA — WORKSKEETS

1 Sombulula. Sebenzisa umgcamanani ukuncede.

Solve. Use a number line to help you.

Ukuba ndineelekese ezili-9, zingaphi ezifunekayo ukuze ndibe neelekese ezili-12?

If I have 9 sweets, how many more do I need to have 12 sweets?



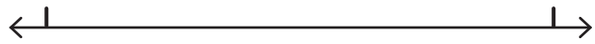
9 + 3 = 12

Ukuba ndineelekese ezisi-8, zingaphi ezifunekayo ukuze ndibe neelekese ezili-17?

If I have 8 sweets, how many more do I need to have 17 sweets?

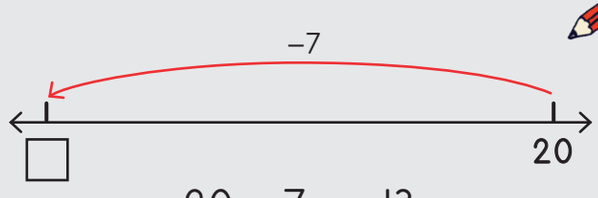
Ukuba ndineelekese ezi-6, zingaphi ezifunekayo ukuze ndibe neelekese ezili-16?

If I have 6 sweets, how many more do I need to have 16 sweets?



Ukuba ndineelekese ezingama-20 ze ndiphise ngezisi-7, ndishiyekelwa ziilekese ezingaphi?

If I have 20 sweets and I give away 7, how many sweets do I have left?



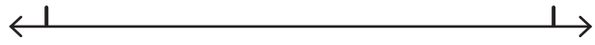
20 − 7 = 13

Ukuba ndineelekese ezili-15 ze ndiphise ngezisi-8, ndishiyekelwa ziilekese ezingaphi?

If I have 15 sweets and I give away 8, how many sweets do I have left?

Ukuba ndineelekese ezili-17 ze ndiphise ngezisi-9, ndishiyekelwa ziilekese ezingaphi?

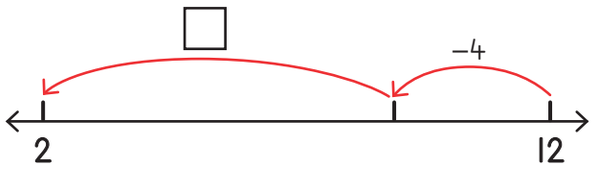
If I have 17 sweets and I give away 9, how many sweets do I have left?



Yenza umgcamanani uze ubhale i-ikhweyizhini entsha.

Draw the number line and write the new equation.

$12 - 4 - \_\_\_\_ = 2$



$8 - \_\_\_\_ = 2$

Isisombululo sisi-6.

The solution is 6.

2 Sombulula ngomgcamanani.

Use a number line to solve.

$8 + 5 + \_\_\_\_ = 14$

$12 + 7 - \_\_\_\_ = 16$

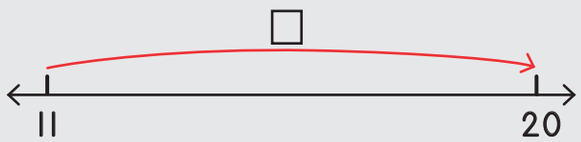
$3 + 10 + \_\_\_\_ = 17$

$15 - 10 + \_\_\_\_ = 12$

3

Lingadibana nezingaphi i-11 ukwenza ama-20?

11 and how many make 20?



$11 + 9 = 20$

Lingadibana nezingaphi i-13 ukwenza i-18?

13 and how many make 18?

Singadibana nezingaphi isi-8 ukwenza ezili-17?

8 and how many make 17?

Singadibana nezingaphi isi-9 ukwenza i-18?

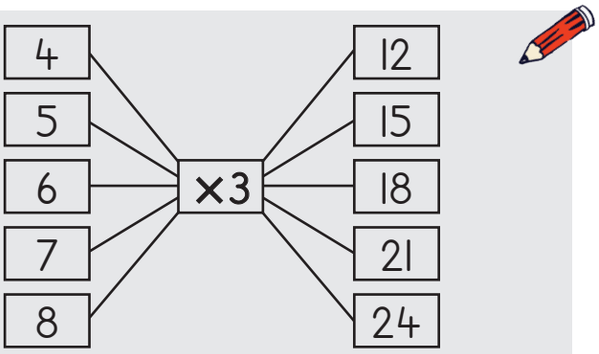
9 and how many make 18?

Izazobe neetheyibhile
Flow diagrams and tables

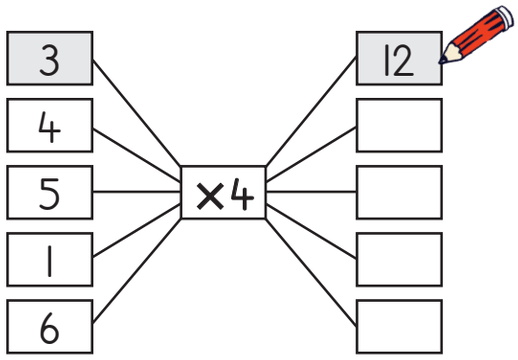
IZIBALO ZENTLOKO – MENTAL MATHS → UMDLALO – GAME → UPHUHLISO LWENGQIQO – CONCEPT DEVELOPMENT → AMAPHEPHA OKUSEBENZELA – WORKSHEETS

LINGAPHEZULU OKANYE LINGAPHANTSI KUNA- – MORE THAN AND LESS THAN

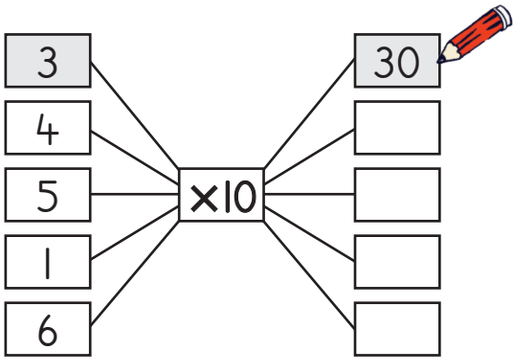
1 Gqibezela ezi zazobe. Uthini umgaqo?
Complete the flow diagrams. What is the rule?



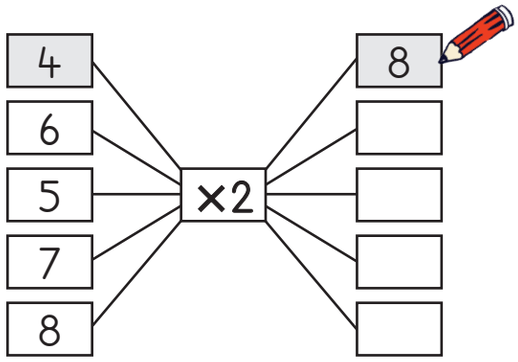
Umgaqo uthi phindaphinda ngesi-3.
The rule is multiply by 3.



Umgaqo uthi _____.
The rule is _____.



Umgaqo uthi _____.
The rule is _____.



Umgaqo uthi _____.
The rule is _____.

2 Gqibezela ezi theyibhile. Uthini umgaqo?
Complete the tables. What is the rule?

	5	6	7	8	9	10
×2	10	12	14	16	18	20

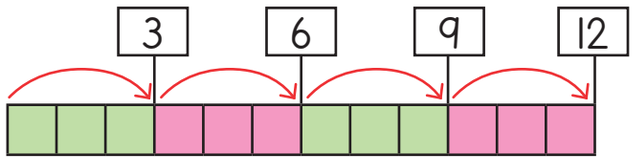
Umgaqo uthi phindaphinda ngesi-2.
The rule is multiply by 2.

	1	2	3	4	5
×3					

Umgaqo uthi _____.
The rule is _____.

Iziphindwa ndingazifumana ngokwenza ukudibanisa okuphindaphindwayo.

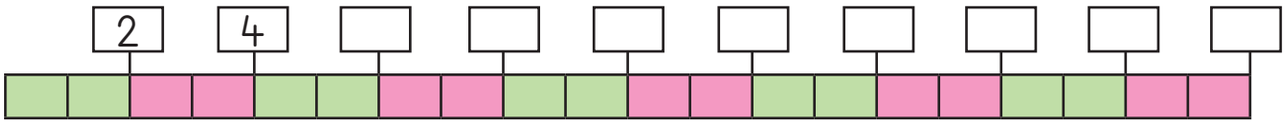
I can find multiples by doing repeated addition.



3 x 4 = 12

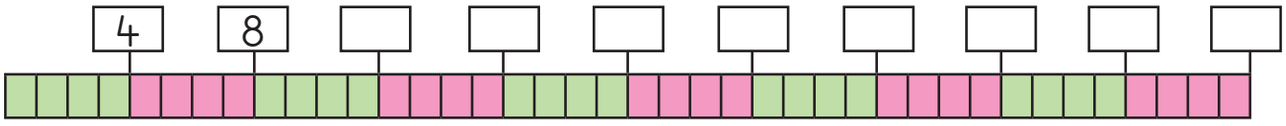
3 Dibanisa isi-2 rhoqo. 10 × 2 = ____

Always add 2.



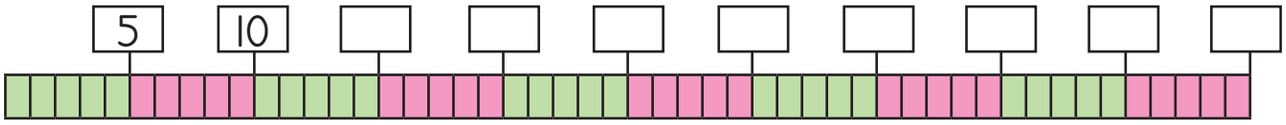
Dibanisa isi-4 rhoqo. 10 × 4 = ____

Always add 4.



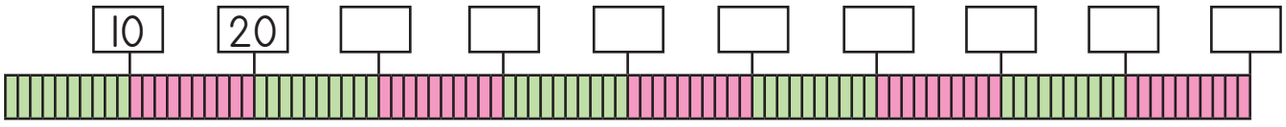
Dibanisa isi-5 rhoqo. 10 × 5 = ____

Always add 5.



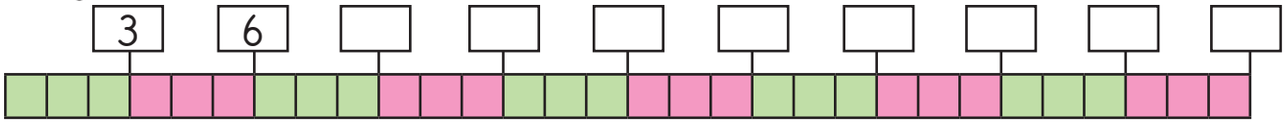
Dibanisa i-10 rhoqo. 10 × 10 = ____

Always add 10.



Dibanisa isi-3 rhoqo. 10 × 3 = ____

Always add 3.



4 Yintoni exhaphakileyo:

What is common:

xa ndibala ngezi-2 nangezi-4 ukuya kuma-20?

when I count in 2s and 4s to 20?

4, 8, 12, 16, 20

xa ndibala ngezi-5 nangama-10 ukuya kuma-50?

when I count in 5s and 10s to 50?

USUKU 4 • DAY 4

Iipatheni zamanani, izazobe neetheyibhile
Number patterns, flow diagrams and tables

IZIBALO ZENTLOKO
MENTAL MATHS

LINGAPHEZULU OKANYE LINGAPHANTSI KUNA-
MORE THAN AND LESS THAN

→ UMDLALO
GAME

→ UPHUHLISO LWENGQIQO
CONCEPT DEVELOPMENT

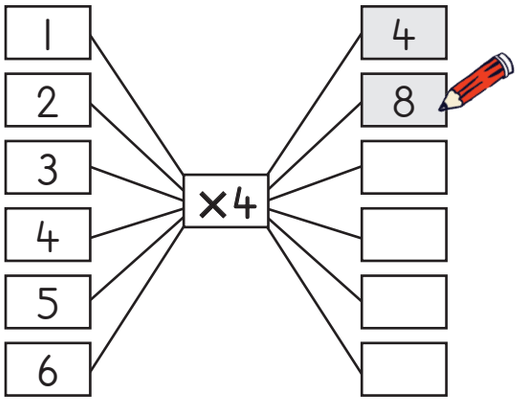
→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

Uphindaphindo singalubonisa ngezazobe nangeetheyibhile. Ungazizamela nawe.

We can use flow diagrams and tables to show multiplication! Try it for yourself.

1 UVuyo uqokelela izitikha zakwaShoprite ezi-4 qho ngeveki. Uza kuba nezitikha ezingaphi emva kweeveki ezi-6?

Vuyo collects 4 stickers each week from Shoprite. How many stickers will she have after 6 weeks?



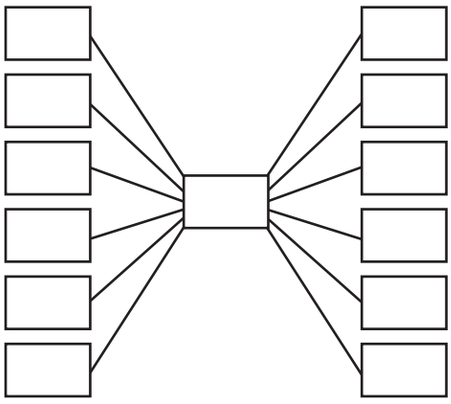
iiveki weeks	1	2	3	4	5	6
×4	4	8				

iiveki
weeks

izitikha ezi-____
____ stickers

2 UMmapula ufumana i-R10 ngeveki nganye. Uza kuba namalini emva kweeveki ezisi-6?

Mmapula gets R10 each week. How much will she have after 6 weeks?



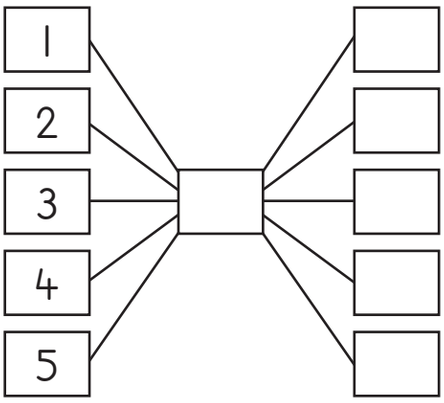
iiveki weeks						

iiveki
weeks

R_____

3 UThobeka utya ama-apile ama-3 ngeveki. Uza kube etye ama-apile amangaphi emva kweeveki ezi-5?

Thobeka eats 3 apples a week. How many apples will she have eaten after 5 weeks?



iiveki weeks					

iiveki
weeks

ama-apile a-____
_____ apples

Kanti ke singabonisa ukudibanisa nokuthabatha ngezazobe nangeetheyibhile. Zizamele nawe.

We can also use flow diagrams and tables to show addition and subtraction! Try it for yourself.

4 Dibanisa i-10.

Add 10.

14	+10	24	+10	34
12	+10		+10	
18	+10		+10	

Dibanisa ama-20.

Add 20.

12	+20		+20	
18	+20		+20	
17	+20		+20	

Dibanisa ama-30.

Add 30.

12	+30		+30	
15	+30		+30	
18	+30		+30	

5 Thabatha i-10.

Subtract 10.

34	−10	24	−10	14
30	−10		−10	
35	−10		−10	

Thabatha ama-20.

Subtract 20.

50	−20		−20	
60	−20		−20	
55	−20		−20	

Thabatha ama-30.

Subtract 30.

80	−30		−30	
95	−30		−30	
79	−30		−30	

Uqukaniso
Consolidation

IPHEPHA LOKUSEBENZELA
WORKSHEET → IPHEPHA LOKUSEBENZELA
WORKSHEET

1 Sombulula ngomgcamanani.
Use the number line to solve.

____ – 3 – 7 = 9

3 + 7 + ____ = 19

____ – 5 – 6 = 8

4 + 7 + ____ = 19

____ – 2 + 3 = 7

9 – 3 + ____ = 15

Masithethe ngeMaths!
Let's talk Maths!

NgesiXhosa sithi:	In English we say:
inani elishiyiweyo (elingekhoyo)	missing number
phindaphinda	multiply
umfakwa	input
isiphumo	output
isazobe	flow diagram
itheyibhile	table
umgca ongasezantsi	bottom row

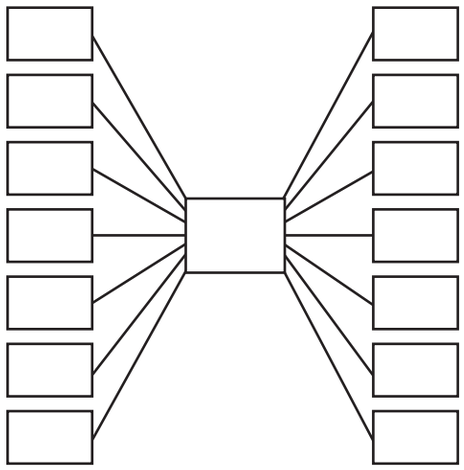
2

Lingadibana nezingaphi i-13 ukwenza i-15? 13 and how many make 15? ⟷	Lingadibana nezingaphi i-11 ukwenza i-16? 11 and how many make 16? ⟷
Singadibana nezingaphi isi-7 ukwenza i-13? 7 and how many make 13? ⟷	Singadibana nezingaphi isi-6 ukwenza i-13? 6 and how many make 13? ⟷

3 USam utya ama-apile ama-4 ngeveki. Uza kube etye ama-apile amangaphi emva kweeveki ezisi-7?

Sam eats 4 apples each week. How many apples will he have eaten after 7 weeks?

iiveki weeks							



iiveki
weeks

ama-apile a-____
____ apples

4

Ukuba ndineelekese ezisi-8, kufuneka ezingaphi ukuze ndibe nezingama-20? If I have 8 sweets, how many more do I need to have 20? ⟷	Ukuba ndineelekese ezili-19 ze ndiphise ngezili-11, ndishiyekelwa ziilekese ezingaphi? If I have 19 sweets and I give away 11, how many sweets do I have left? ⟷

Amanani ukuya kuma-500
Numbers to 500

IZIBALO ZENTLOKO
MENTAL MATHS

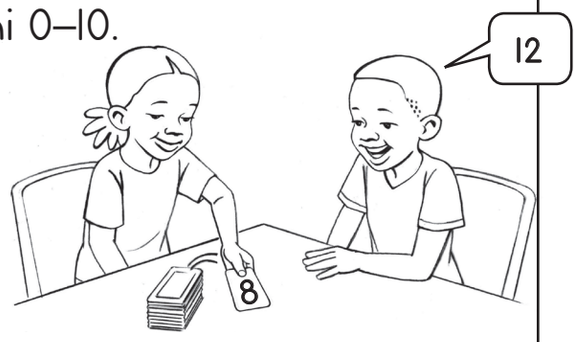
IMIGUQULWA
INVERSE RELATIONS

→ UMDLALO
GAME

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

Umdlalo: IMaths ekhawulezayo ngamakhadi – dibanisa uze uthabathe
Game: Fast maths with cards – add and subtract

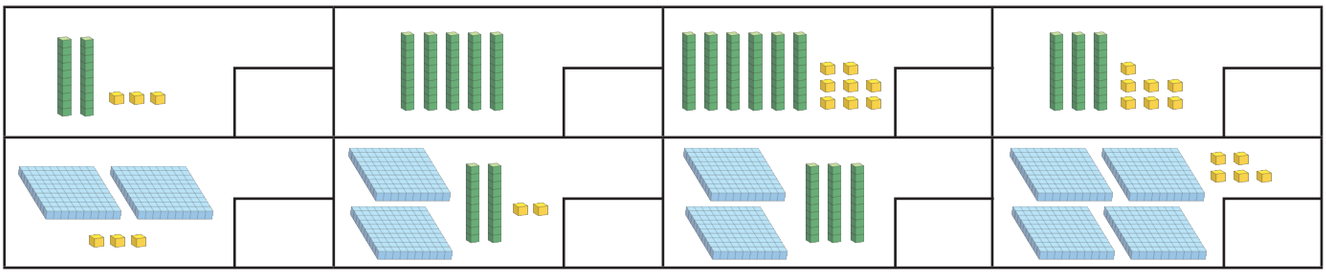
- Yenza isicuku ngamakhadi amanani 0–10.
  Place number cards 0 to 10 in a pile.
- Guqula ikhadi elinye.
  Flip one card.
- Ama-20 ungawenza ngezingaphi?
  How much to make 20?
- Bala ngokukhawuleza!
  Yenza ama-30, 40, 50, 60, 90, okanye i-100.
  Work fast! Make 30, 40, 50, 60, 90 or 100.
- Zama ke ngoku ngokuthabatha! Thabatha kuma-40, 50, 70, 80, nakwi-100.
  Now try with subtraction! Subtract from 40, 50, 70, 80 and 100.



1 Bonisa ngeebloko nangoonotsheluza.
Show with blocks and flard cards.

30	49	71	105	111	101	110	305	500	490	210	201	354	304

2 Zingaphi?
How much?

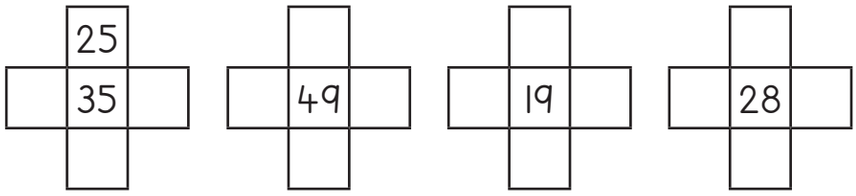


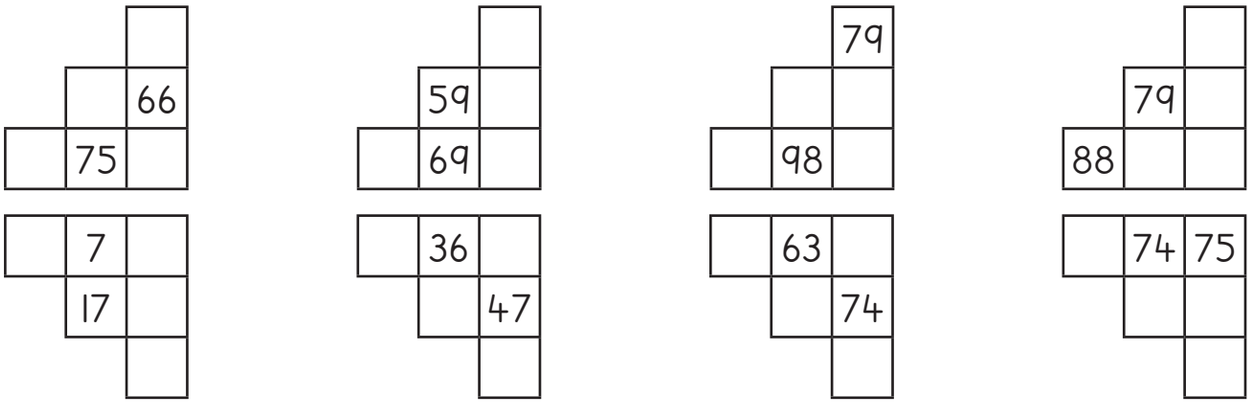
3 Zingaphi?
How much?

5 1 0	4 0 6	2 7 0	5 1 0 0
_____	_____	_____	_____
5 0 1 0 0	4 0 0 6 0	7 0 9 2 0 0	6 8 0 3 0 0
_____	_____	_____	_____

4 Gqibezela isikwere se-100.

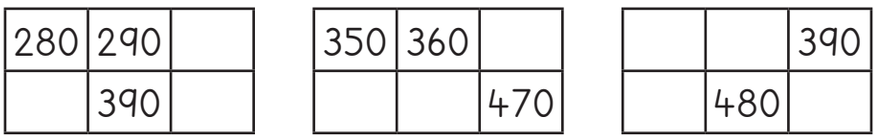
Complete the pieces of the 100 square.

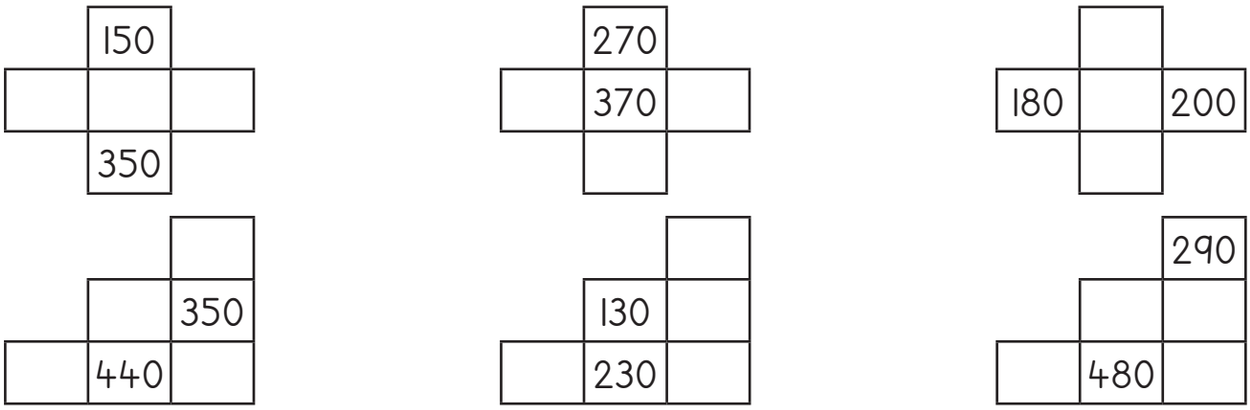




5 Gqibezela isikwere se-1000.

Complete the pieces of the 1000 square.





6 Cwangcisa amanani uqale ngelona lincinci uye kwelona likhulu.

Order from smallest to biggest.

195, 302, 714, 317	
368, 638, 836, 683	
409, 465, 482, 397	

7 Cwangcisa amanani uqale ngelona likhulu uye kwelona lincinci.

Order from biggest to smallest.

115, 121, 119, 125	
423, 432, 342, 344	
210, 340, 304, 200	

Iipatheni ukuya kuma-500
Patterns to 500

IZIBALO ZENTLOKO
MENTAL MATHS

IMIGUQULWA
INVERSE RELATIONS

→ UMDLALO
GAME

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

Thethani namaqabane enu ngemigaqo yeepatheni.
Talk to your partners about these pattern rules.

1 Yandisa iipatheni zamanani. Uthini umgaqo?
Extend the number patterns. What is the rule?

3	6	9	12						
57	54	51	48						
150	160	170	180						
265	260	255	250						
208	218	228	238						
380	360	340	320						
312	316	320	324						
408	404	400	396						
367	377	387	397						
500	450	400	350						

2 Gqibezela iipatheni zamanani. Uthini umgaqo?
Complete the number patterns. What is the rule?

2			8	10			16
		60	70			100	
	255	260		270		280	
300	320			380		420	
500			470	460		440	
450		350				150	100

3 Jonga iipatheni ezinombala kwizikwere ze-100. Zeziphi iipatheni zamanani oziqaphelayo? Zeziphi iipatheni ezenziwa yimibala?

Look at the shaded patterns in the 100 squares. What number patterns do you see? What pattern does the shading make?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	76	87	88	89	90
91	92	93	94	95	96	97	98	99	100

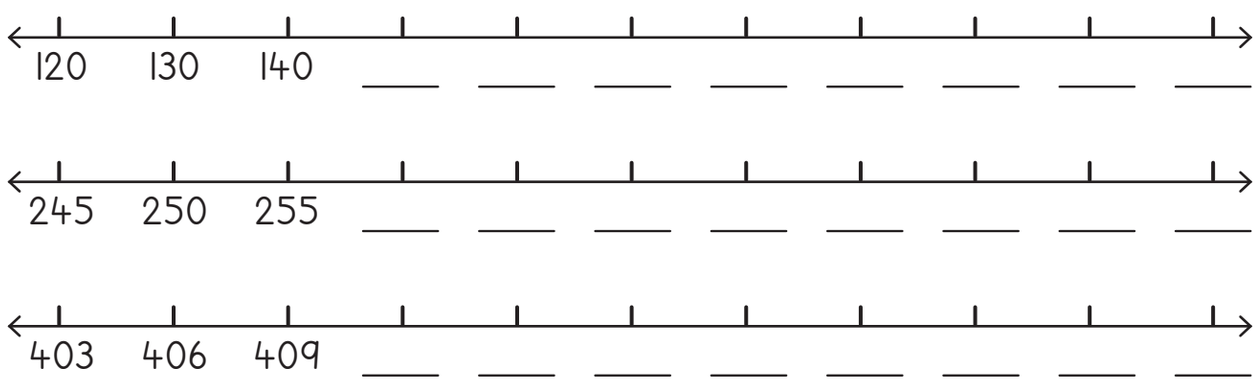
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	63	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	76	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	76	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	76	87	88	89	90
91	92	93	94	95	96	97	98	99	100

4 Phawula imigcamanani. Uthini umgaqo?

Label the number lines. What is the rule?

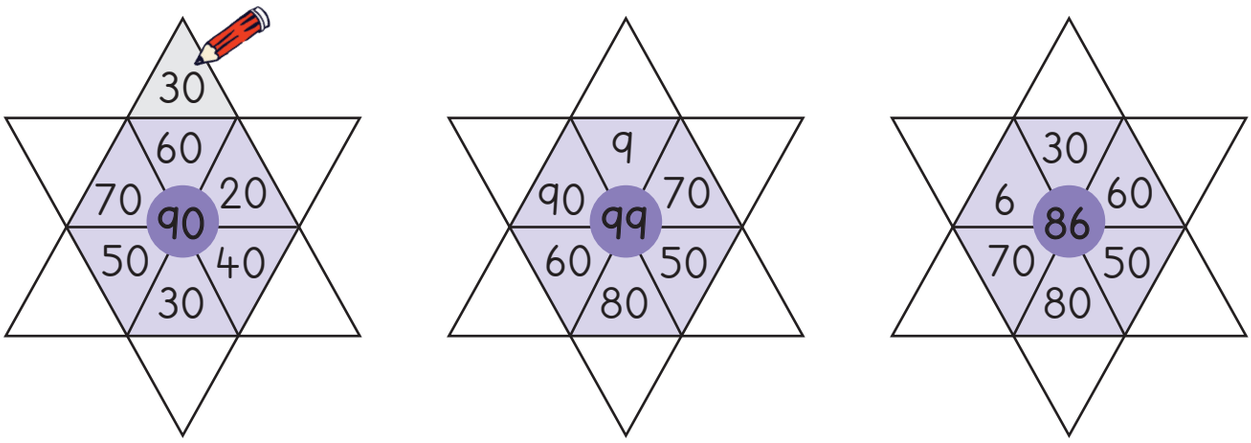


Iipatheni namanani ashiyiweyo
Patterns and missing numbers

IZIBALO ZENTLOKO MENTAL MATHS | IMIGUQULWA INVERSE RELATIONS → UMDLALO GAME → AMAPHEPHA OKUSEBENZELA WORKSHEETS

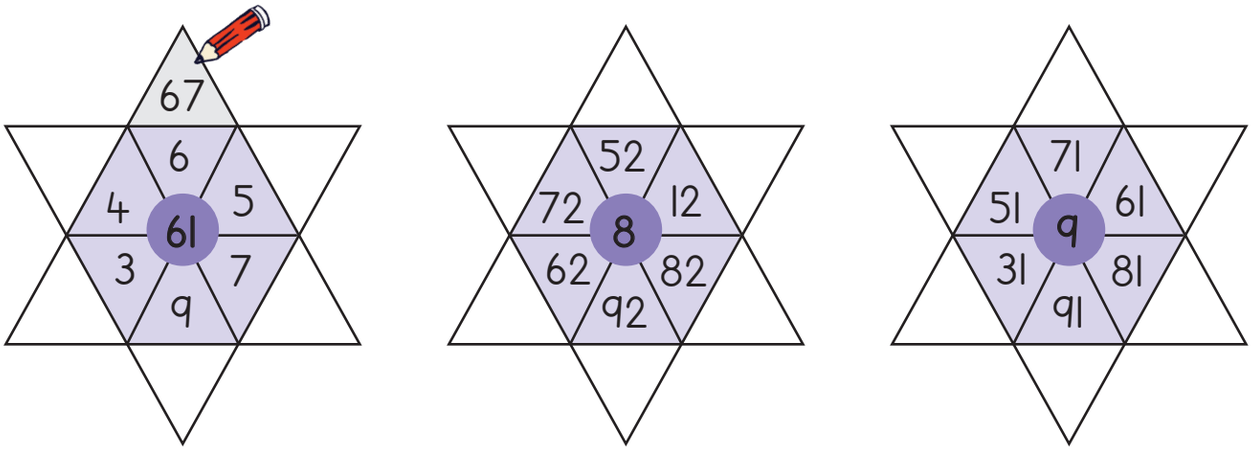
1 Thabatha ukuze ufumane amanani angekhoyo kwezi ncam zeenkwenkwezi.

Subtract to find the missing numbers in the points of the star.



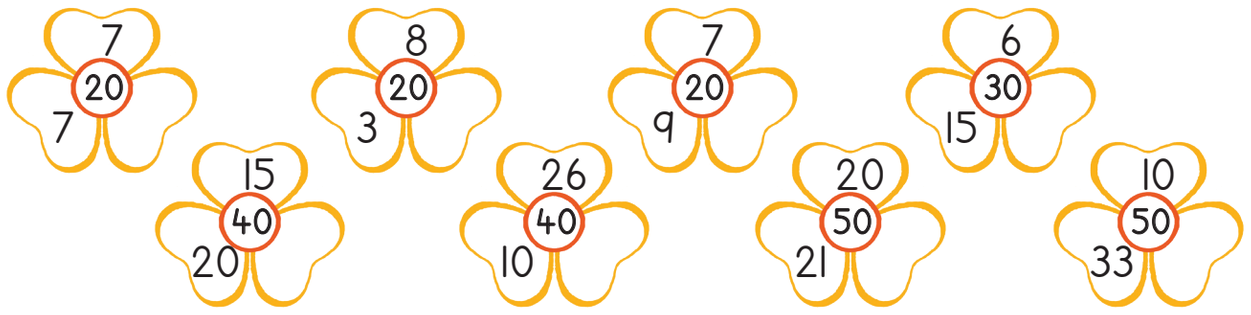
2 Dibanisa ukuze ufumane amanani angekhoyo kwezi nkwenkwezi.

Add to find the missing numbers in the points of the star.



3 Isiphumo sisembindini. Bhala inani elingekhoyo.

The sum is in the middle. Fill in the missing number.



4 Dibanisa isi-2 rhoqo.

Always add 2.

96				
114				

136				
155				

Dibanisa i-10 rhoqo.

Always add 10.

70				
150				

105				
155				

5 Thabatha u-1 rhoqo.

Always subtract 1.

500				
603				

1000				
912				

Thabatha i-10 rhoqo.

Always subtract 10.

120				
230				

333				
425				

Thabatha i-100 rhoqo.

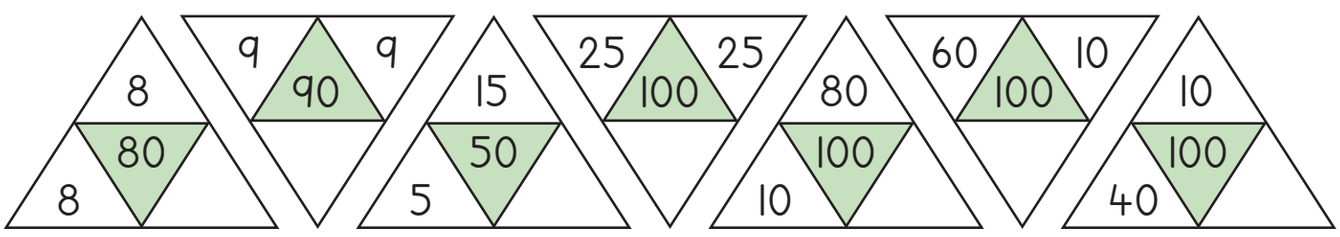
Always subtract 100.

900				
410				

505				
404				

6 Isiphumo sisembindini. Funa inani elingekhoyo.

The sum is in the middle. Find the missing number.



Ukudibanisa nokuthabatha
Addition and subtraction

IZIBALO ZENTLOKO
MENTAL MATHS

IMIGUQULWA
INVERSE RELATIONS

→ UMDLALO
GAME

→ AMAPHEPHA OKUSEBENZELA
WORKSHEETS

1 Dibanisa uze uthabathe.
Add and subtract.

6 + 6 = ____	12 – 6 = ____	4 + 8 = ____	7 + 7 = ____
14 – 7 = ____	7 + 8 = ____	8 + 8 = ____	18 – 9 = ____
13 – 7 = ____	9 + 9 = ____	16 – 8 = ____	13 – 9 = ____

2 Dibanisa uze uthabathe.
Add and subtract.

9 + 7 = ____	14 – 8 = ____	8 + 9 = ____	29 + 7 = ____
34 – 8 = ____	88 + 9 = ____	49 + 7 = ____	64 – 8 = ____
15 – 9 = ____	69 + 7 = ____	94 – 8 = ____	35 – 9 = ____

3 Dibanisa.
Add.

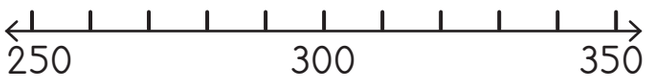
18 + ____ = 20	18 + 6 = ____	15 + 20 = ____	19 + ____ = 20
19 + 5 = ____	27 + 30 = ____	27 + ____ = 30	27 + 7 = ____
36 + 40 = ____	36 + ____ = 40	36 + 8 = ____	62 + 20 = ____

4 Thabatha.
Subtract.

20 – ____ = 40	14 – 8 = ____	32 – 10 = ____	30 – ____ = 22
22 – 9 = ____	46 – 30 = ____	50 – ____ = 45	45 – 7 = ____
28 – 20 = ____	80 – ____ = 72	72 – 5 = ____	78 – 40 = ____

5 Dibanisa usebenzise umgcamanani.

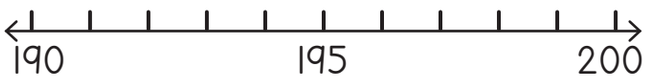
Add using the number line.



250 + 50 = ____
280 + 30 = ____
300 + ____ = 350
330 + ____ = 350

6 Thabatha usebenzise umgcamanani.

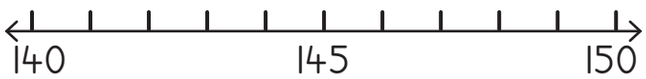
Subtract using the number line.



200 – 3 = ____
200 – 7 = ____
200 – ____ = 195
198 – ____ = 190

7 Dibanisa uze uthabathe.

Add and subtract.

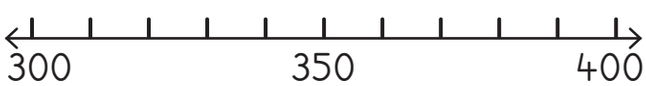


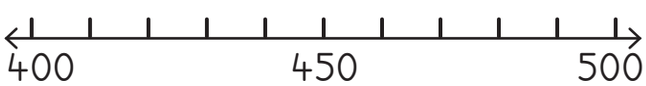
146 + 6 = 148
145 + 4 = ____
143 + 7 = ____
141 + 9 = ____

160 – 2 = ____
160 – 5 = ____
160 – 8 = ____
160 – 10 = ____

8 Dibanisa uze uthabathe.

Add and subtract.





310 + 30 = 340
340 + 40 = ____
360 + 40 = ____
320 + 80 = ____

490 – 30 = ____
480 – 40 = ____
500 – 20 = ____
500 – 60 = ____

Ukudibanisa nokuthabatha
Addition and subtraction

IZIBALO ZENTLOKO MENTAL MATHS | IMIGUQULWA INVERSE RELATIONS → UMDLALO GAME → AMAPHEPHA OKUSEBENZELA WORKSHEETS

1 Dibanisa kwiikholam.
Add in columns.

	3	6
+	2	4

	2	5
+	4	6

	1	9
+	1	8

	2	4
+	2	7

	1	8
+	2	3

	1	7
+	4	7

	1	6
+	3	9

	3	8
+	2	9

	2	1
+	2	4

	2	1
+	9	6

	6	6
+		8

	6	4
+	1	7

2 Thabatha ngokweekholam.
Subtract in columns.

	3	2
−	1	3

	4	1
−	2	3

	5	1
−	1	4

	5	5
−	2	6

	7	1
−	3	2

	5	3
−	2	6

	7	0
−	3	2

	6	0
−	1	5

	8	1
−	7	6

	7	2
−	2	5

	9	0
−	8	2

	8	4
−	2	6

3 Bhala amanani kwiikholam uze udibanise.

Write the numbers in columns and add.

106 + 71 = ____

93 + 105 = ____

38 + 121 = ____

4 Bhala amanani kwiikholam uze uthabathe.

Write the numbers in columns and subtract.

178 – 43 = ____

194 – 64 = ____

187 – 35 = ____

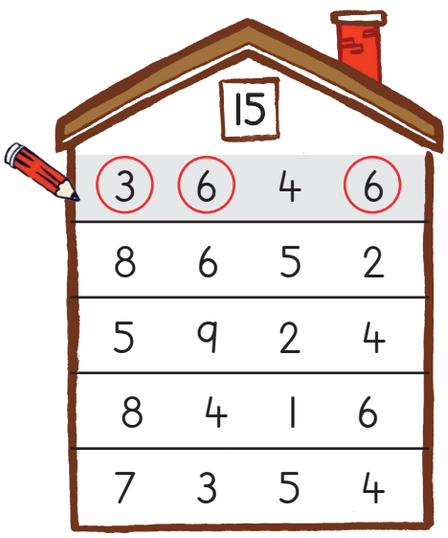
5 Sombulula.

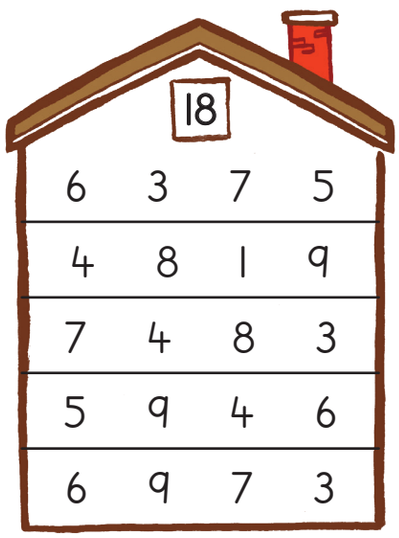
Solve.

114 + 26 = ____	79 + 108 = ____	47 + 137 = ____
183 – 51 = ____	164 – 32 = ____	127 – 89 = ____

6 Biyela amanani ama-3 athi xa edibene enze inani elingasentla.

Circle 3 numbers that add up to the number at the top.





Usuku 1 • Day 1

Bonisa ngoonotsheluza nangeebloko zesiseko se-10.

Show with flard cards and base 10 blocks.

23

16

99

41

72

81

34

68

25

77

Usuku 2 • Day 2

Bonisa ngoonotsheluza nangeebloko zesiseko se-10.

Show with flard cards and base 10 blocks.

47

24

54

86

61

33

52

79

65

38

Usuku 3 • Day 3

Gqibezela izivakalisi manani. Bhala ama-10 nemivo.

Complete the number sentences.
Write the 10s and 1s.

26 = _____ + _____

41 = _____ + _____

39 = _____ + _____

24 = _____ + _____

61 = _____ + _____

57 = _____ + _____

78 = _____ + _____

89 = _____ + _____

25 = _____ + _____

92 = _____ + _____

Usuku 4 • Day 4

Gqibezela izivakalisi manani. Bhala ama-10 nemivo.

Complete the number sentences.
Write the 10s and 1s.

14 = _____ + _____

35 = _____ + _____

78 = _____ + _____

42 = _____ + _____

56 = _____ + _____

61 = _____ + _____

29 = _____ + _____

87 = _____ + _____

43 = _____ + _____

98 = _____ + _____

Usuku 1 • Day 1

Bonisa ngoonotsheluza nangeebloko zesiseko se-10.

Show with flard cards and base 10 blocks.

132

421

399

214

257

418

143

286

428

307

Usuku 2 • Day 2

Bonisa ngoonotsheluza nangeebloko zesiseko se-10.

Show with flard cards and base 10 blocks.

174

422

425

368

163

133

255

371

256

413

Usuku 3 • Day 3

Gqibezela izivakalisi manani. Bhala ama-100, ama-10 nemivo.

Complete the number sentences.
Write the 100s, 10s and 1s.

235 = _____ + _____ + _____

416 = _____ + _____ + _____

391 = _____ + _____ + _____

142 = _____ + _____ + _____

221 = _____ + _____ + _____

373 = _____ + _____ + _____

438 = _____ + _____ + _____

249 = _____ + _____ + _____

154 = _____ + _____ + _____

425 = _____ + _____ + _____

Usuku 4 • Day 4

Gqibezela izivakalisi manani. Bhala ama-100, ama-10 nemivo.

Complete the number sentences.
Write the 100s, 10s and 1s.

345 = _____ + _____ + _____

115 = _____ + _____ + _____

468 = _____ + _____ + _____

272 = _____ + _____ + _____

326 = _____ + _____ + _____

311 = _____ + _____ + _____

189 = _____ + _____ + _____

347 = _____ + _____ + _____

434 = _____ + _____ + _____

218 = _____ + _____ + _____

Usuku 1 • Day 1

Sombulula usebenzise iibloko.
Solve using blocks.

43 + 36 = _____

35 + 44 = _____

61 + 24 = _____

18 + 51 = _____

52 + 34 = _____

65 – 14 = _____

95 – 61 = _____

39 – 27 = _____

87 – 54 = _____

55 – 11 = _____

Usuku 2 • Day 2

Sombulula usebenzise iibloko.
Solve using blocks.

71 + 22 = _____

14 + 85 = _____

37 + 32 = _____

52 + 43 = _____

22 + 52 = _____

96 – 65 = _____

39 – 16 = _____

48 – 36 = _____

83 – 52 = _____

75 – 44 = _____

Usuku 3 • Day 3

Sombulula usebenzise iibloko.
Solve using blocks.

43 + 32 = _____

18 + 71 = _____

62 + 25 = _____

54 + 33 = _____

71 + 18 = _____

85 – 41 = _____

35 – 23 = _____

59 – 37 = _____

87 – 54 = _____

96 – 60 = _____

Usuku 4 • Day 4

Sombulula usebenzise iibloko.
Solve using blocks.

61 + 26 = _____

24 + 45 = _____

37 + 32 = _____

12 + 73 = _____

54 + 41 = _____

95 – 61 = _____

79 – 27 = _____

39 – 25 = _____

56 – 44 = _____

82 – 61 = _____

Usuku 1 • Day 1

Dibanisa.

Add.

26 + 50 = _____

40 + 12 = _____

31 + 20 = _____

30 + 21 = _____

52 + 10 = _____

10 + 30 = _____

28 + 11 = _____

70 + 20 = _____

55 + 40 = _____

10 + 50 = _____

Usuku 2 • Day 2

Dibanisa.

Add.

50 + 47 = _____

71 + 10 = _____

20 + 42 = _____

61 + 30 = _____

40 + 31 = _____

15 + 40 = _____

30 + 43 = _____

64 + 10 = _____

30 + 30 = _____

92 + 30 = _____

Usuku 3 • Day 3

Dibanisa.

Add.

36 + 42 = _____

43 + 45 = _____

35 + 22 = _____

54 + 34 = _____

12 + 76 = _____

44 + 34 = _____

71 + 27 = _____

42 + 17 = _____

63 + 33 = _____

51 + 42 = _____

Usuku 4 • Day 4

Dibanisa.

Add.

63 + 34 = _____

46 + 12 = _____

53 + 26 = _____

11 + 65 = _____

38 + 21 = _____

71 + 16 = _____

52 + 15 = _____

27 + 52 = _____

83 + 14 = _____

21 + 66 = _____

Usuku 1 • Day 1

Thabatha.

Subtract.

86 – 50 = _____

45 – 10 = _____

39 – 20 = _____

64 – 60 = _____

52 – 30 = _____

99 – 30 = _____

28 – 10 = _____

67 – 40 = _____

59 – 10 = _____

79 – 50 = _____

Usuku 2 • Day 2

Thabatha.

Subtract.

59 – 40 = _____

77 – 30 = _____

24 – 10 = _____

61 – 50 = _____

45 – 30 = _____

89 – 20 = _____

39 – 10 = _____

64 – 10 = _____

37 – 20 = _____

92 – 30 = _____

Usuku 3 • Day 3

Thabatha.

Subtract.

66 – 40 = _____

83 – 70 = _____

35 – 20 = _____

54 – 30 = _____

92 – 10 = _____

46 – 30 = _____

71 – 50 = _____

22 – 10 = _____

63 – 30 = _____

51 – 40 = _____

Usuku 4 • Day 4

Thabatha.

Subtract.

63 – 30 = _____

84 – 10 = _____

45 – 20 = _____

91 – 60 = _____

32 – 20 = _____

61 – 46 = _____

52 – 50= _____

77 – 50 = _____

93 – 70 = _____

31 – 10 = _____

Usuku 1 • Day 1

Dibanisa.

Add.

126 + 10 = _____

140 + 20 = _____

311 + 40 = _____

320 + 30 = _____

252 + 50 = _____

210 + 20 = _____

185 + 10 = _____

370 + 30 = _____

225 + 40 = _____

103 + 50 = _____

Usuku 2 • Day 2

Dibanisa.

Add.

250 + 14 = _____

101 + 11 = _____

203 + 41 = _____

361 + 32 = _____

400 + 34 = _____

151 + 44 = _____

300 + 24 = _____

254 + 12 = _____

350 + 43 = _____

200 + 17 = _____

Usuku 3 • Day 3

Dibanisa.

Add.

232 + 14 = _____

413 + 24 = _____

335 + 22 = _____

254 + 34 = _____

127 + 73 = _____

423 + 34 = _____

221 + 17 = _____

332 + 41 = _____

230 + 30 = _____

111 + 44 = _____

Usuku 4 • Day 4

Dibanisa.

Add.

103 + 34 = _____

426 + 11 = _____

253 + 12 = _____

111 + 63 = _____

338 + 21 = _____

210 + 11 = _____

302 + 21 = _____

421 + 15 = _____

113 + 21 = _____

421 + 50 = _____

Usuku 1 • Day 1

Thabatha.

Subtract.

261 – 50 = _____

456 – 10 = _____

394 – 20 = _____

143 – 60 = _____

325 – 30 = _____

199 – 30 = _____

288 – 10 = _____

474 – 40 = _____

292 – 10 = _____

396 – 50 = _____

Usuku 2 • Day 2

Thabatha.

Subtract.

269 – 41 = _____

377 – 33 = _____

234 – 12 = _____

455 – 53 = _____

145 – 35 = _____

349 – 28 = _____

179 – 65 = _____

294 – 12 = _____

357 – 21 = _____

487 – 34 = _____

Usuku 3 • Day 3

Thabatha.

Subtract.

146 – 20 = _____

353 – 10 = _____

375 – 30 = _____

274 – 50 = _____

452 – 40 = _____

186 – 60 = _____

261 – 50 = _____

292 – 70 = _____

393 – 20 = _____

491 – 90 = _____

Usuku 4 • Day 4

Thabatha.

Subtract.

135 – 31 = _____

346 – 23 = _____

456 – 44 = _____

215 – 12 = _____

329 – 18 = _____

117 – 26 = _____

229 – 19 = _____

378 – 37 = _____

439 – 15 = _____

347 – 22 = _____

Usuku 1 • Day 1

Phinda kabini.

Double.

3 _____

13 _____

4 _____

14 _____

24 _____

12 _____

22 _____

15 _____

25 _____

35 _____

Usuku 2 • Day 2

Phinda kabini.

Double.

6 _____

16 _____

7 _____

17 _____

27 _____

18 _____

28 _____

19 _____

29 _____

39 _____

Usuku 3 • Day 3

Phinda kabini.

Double.

23 _____

33 _____

24 _____

34 _____

44 _____

32 _____

42 _____

25 _____

35 _____

45 _____

Usuku 4 • Day 4

Phinda kabini.

Double.

16 _____

26 _____

27 _____

37 _____

47 _____

38 _____

48 _____

29 _____

39 _____

49 _____

Usuku 1 • Day 1

Bhala inani elingaphantsi ngo-1 nelingaphezulu ngo-1.

Write 1 less and 1 more.

_____ 143 _____

_____ 325 _____

_____ 446 _____

_____ 442 _____

_____ 267 _____

_____ 182 _____

_____ 467 _____

_____ 333 _____

_____ 378 _____

_____ 294 _____

Usuku 2 • Day 2

Bhala inani elingaphantsi ngesi-2 nelingaphezulu ngesi-2.

Write 2 less and 2 more.

_____ 143 _____

_____ 325 _____

_____ 446 _____

_____ 442 _____

_____ 267 _____

_____ 182 _____

_____ 467 _____

_____ 333 _____

_____ 378 _____

_____ 294 _____

Usuku 3 • Day 3

Bhala inani elingaphantsi ngesi-3 nelingaphezulu ngesi-3.

Write 3 less and 3 more.

_____ 143 _____

_____ 325 _____

_____ 446 _____

_____ 442 _____

_____ 267 _____

_____ 182 _____

_____ 467 _____

_____ 333 _____

_____ 378 _____

_____ 294 _____

Usuku 4 • Day 4

Bhala inani elingaphantsi nge-10 nelingaphezulu nge-10.

Write 10 less and 10 more.

_____ 143 _____

_____ 325 _____

_____ 446 _____

_____ 442 _____

_____ 267 _____

_____ 182 _____

_____ 467 _____

_____ 333 _____

_____ 378 _____

_____ 294 _____

Usuku 1 • Day 1

Sombulula usebenzise iibloko.

Solve using blocks.

45 + 36 = _____

37 + 44 = _____

61 + 29 = _____

18 + 55 = _____

53 + 37 = _____

65 – 18 = _____

95 – 64 = _____

35 – 27 = _____

88 – 59 = _____

53 – 16 = _____

Usuku 2 • Day 2

Sombulula usebenzise iibloko.

Solve using blocks.

77 + 15 = _____

19 + 74 = _____

47 + 28 = _____

25 + 59 = _____

36 + 55 = _____

96 – 47 = _____

32 – 16 = _____

45 – 38 = _____

83 – 54 = _____

75 – 28 = _____

Usuku 3 • Day 3

Sombulula usebenzise iibloko.

Solve using blocks.

44 + 38 = _____

18 + 65 = _____

52 + 39 = _____

47 + 46 = _____

75 + 18 = _____

85 – 48 = _____

31 – 23 = _____

55 – 26 = _____

82 – 54 = _____

96 – 59 = _____

Usuku 4 • Day 4

Sombulula usebenzise iibloko.

Solve using blocks.

53 + 38 = _____

26 + 46 = _____

47 + 29 = _____

15 + 78 = _____

54 + 41 = _____

95 – 67 = _____

74 – 47 = _____

32 – 25 = _____

66 – 49 = _____

92 – 55 = _____

imivo (1) ones	
amashumi (10) tens	
amakhulu (100) hundreds	

Izikwere ezili-100

100 square

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Isikwere se waka 1000

1000 square

10	20	30	40	50	60	70	80	90	100
110	120	130	140	150	160	170	180	190	200
210	220	230	240	250	260	270	280	290	300
310	320	330	340	350	360	370	380	390	400
410	420	430	440	450	460	470	480	490	500
510	520	530	540	550	560	570	580	590	600
610	620	630	640	650	660	670	680	690	700
710	720	730	740	750	760	770	780	790	800
810	820	830	840	850	860	870	880	890	900
910	920	930	940	950	960	970	980	990	1000

Amagama amanani

Number names

1	nye one
2	mbini two
3	ntathu three
4	ne four
5	ntlanu five
6	ntandathu six
7	sixhenxe seven
8	sibhozo eight
9	lithoba nine
10	ishumi ten

11	ishumi elinanye eleven
12	ishumi elinesibini twelve
13	ishumi elinesithathu thirteen
14	ishumi elinesine fourteen
15	ishumi elinesihlanu fifteen
16	ishumi elinesithandathu sixteen
17	ishumi elinesixhenxe seventeen
18	ishumi elinesibhozo eighteen
19	ishumi elinethoba nineteen
20	amashumi amabini twenty

Amagama amanani

Number names

10	ishumi ten
20	amashumi amabini twenty
30	amashumi amathathu thirty
40	amashumi amane forty
50	amashumi amahlanu fifty
60	amashumi amathandathu sixty
70	amashumi asixhenxe seventy
80	amashumi asibhozo eighty
90	amashumi alithoba ninety
100	ikhulu elinye one hundred

Amagama amanani

Number names

100	ikhulu elinye one hundred
200	amakhulu amabini two hundred
300	amakhulu amathathu three hundred
400	amakhulu amane four hundred
500	amakhulu amahlanu five hundred
600	amakhulu amathandathu six hundred
700	amakhulu asixhenxe seven hundred
800	amakhulu asibhozo eight hundred
900	amakhulu alithoba nine hundred
1000	iwaka elinye one thousand