GRADE 3

TERM 1 2019

MATHEMATICS
ENGLISH / ISIXHOSA

RESOURCE PACK

PRINTABLE RESOURCES

The following printable resources are available in this section:

1. Resource sheets

2. Mental mathematics challenge cards: Bilingual version

3. Enrichment activity cards: English version

4. Enrichment activity cards: isiXhosa version

1. Resource Sheets

This is a list of the mathematical resources that you will need this term. You need to make sure that you have them for the lessons for which they are recommended.

1. Flard cards (several lessons)
2. Base ten blocks (several lessons)
3. Blank 100 square (Lesson 3)
4. 100 square (several lessons)
5. 101–200 number board (Lesson 4)
6. Number lines (several lessons)
7. Fraction worksheet (Lesson 29)
8. Fraction strips (Lesson 31)
9. Fraction circles (Lesson 31)
10. Fraction wall (Lesson 31)
11. Analogue clock (Lessons 35 and 36)
12. 1–200 number boards (Lesson 38–40)

Resources for each day of teaching

There are also other resources such as informal resources (old magazines, pieces of string, scrap paper, etc.) that you may need in certain lessons. You should have a careful look at the list of resources needed for each lesson; this list is given in the lesson plans each day. Prepare yourself, so that you have the necessary resources for the lessons on a daily basis.

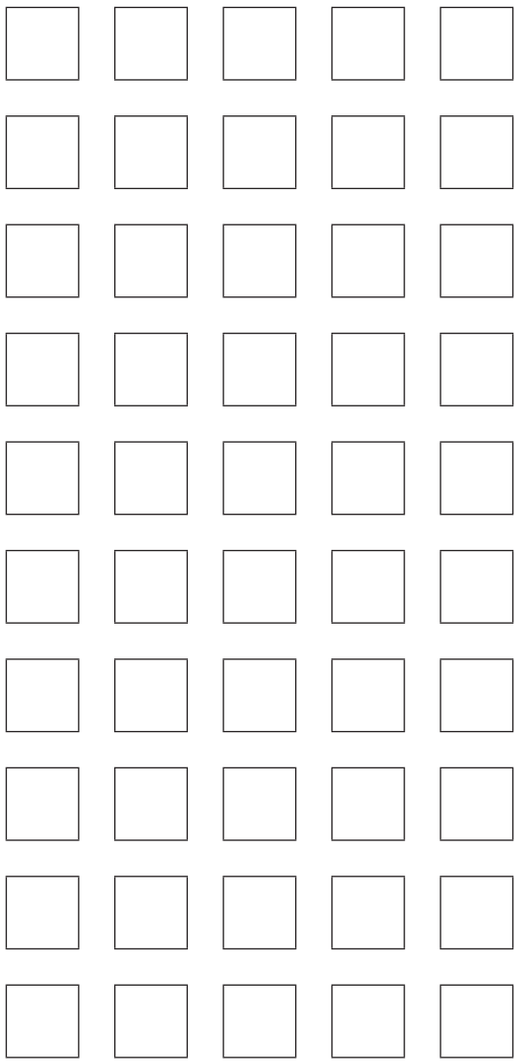
1. Oonotsheluza (Izifundo eziliqela)

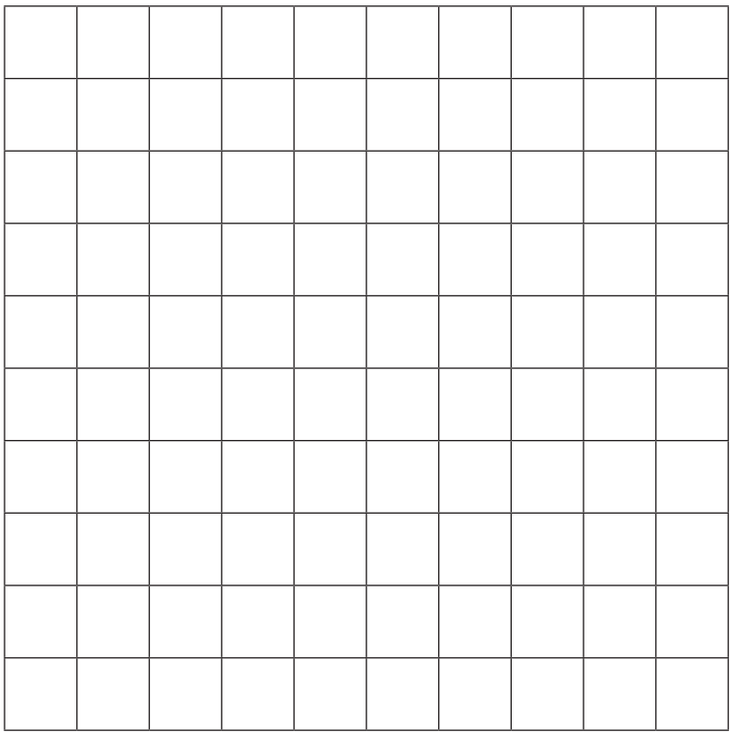
1	1	0	1	0	0
2	2	0	2	0	0
3	3	0	3	0	0
4	4	0	4	0	0
5	5	0	5	0	0
6	6	0	6	0	0
7	7	0	7	0	0
8	8	0	8	0	0
9	9	0	9	0	0
		1	0	0	0

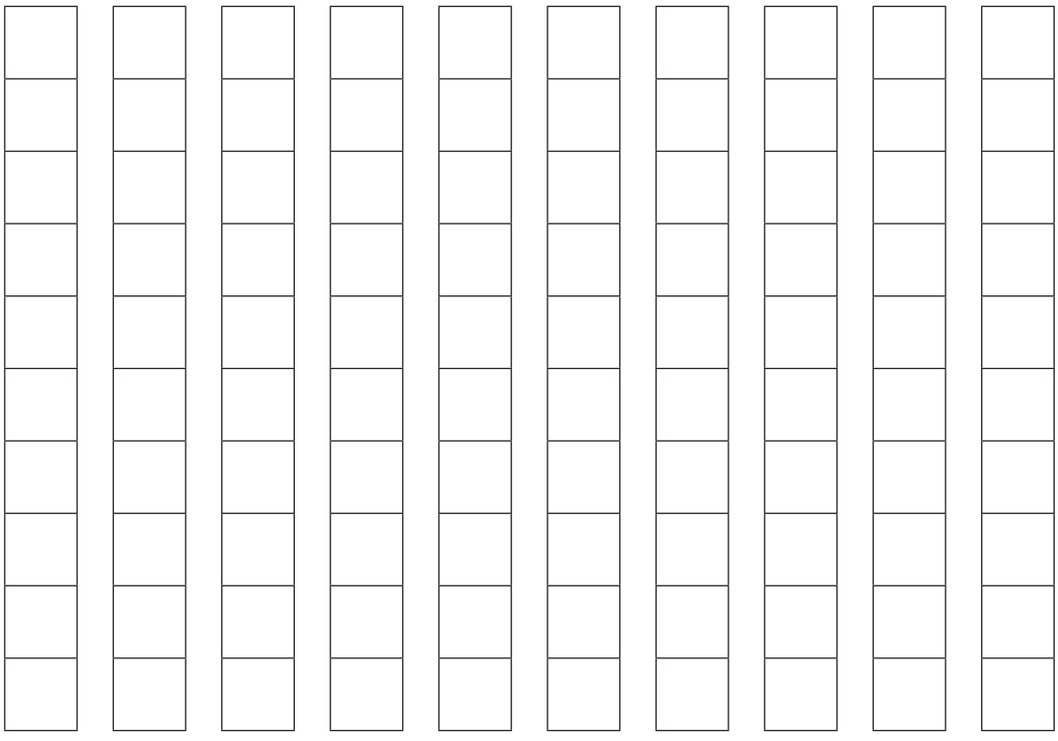
2. Ibhloko ezilishumi ezisisiseko (izifundo eziliqela)

Ukuze ube nayo le ngqokelela yeebhloko ezilishumi kufuneka uncamathelise eli phepha kwibhokisi wakugqiba ezisike zibe ziibhloko.

- Iibhloko ezincinci zisetyenziselwe ukumela iiyunithsi/ononye.
- Iibhloko ezinde zisetyenziselwe ukumela amashumi.
- Iibhloko ezinkulu ezimbaca zisetyenziselwe ukumela amakhulu.







3. Izikwere ezingenanto ezili 100 (isifundo 3)

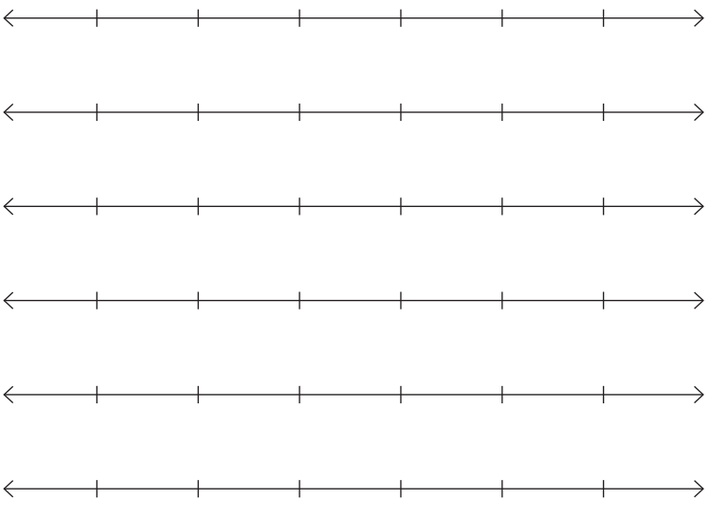
4. Izikwere ezili 100 (izifundo eziliqela)

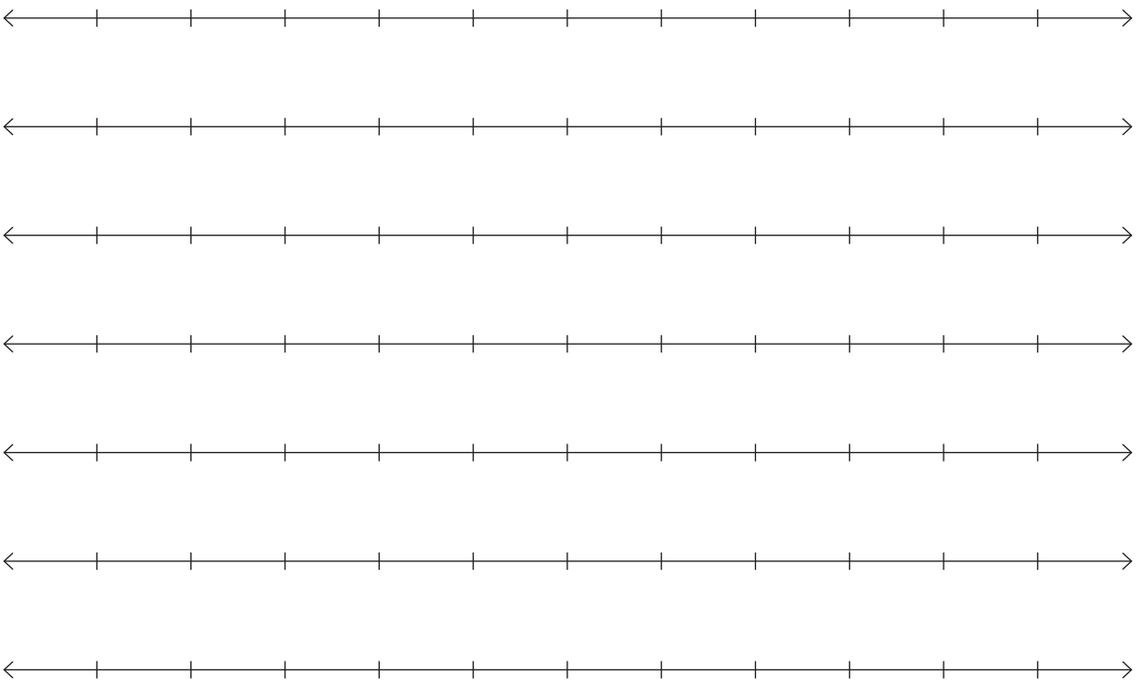
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

5. Amanani akwibhodi (isifundo 4)

101	102	103	104	105	106	107	108	109	100
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

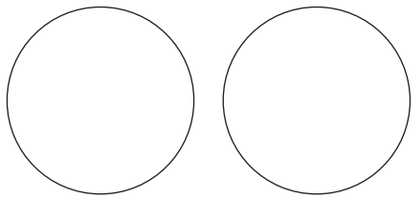
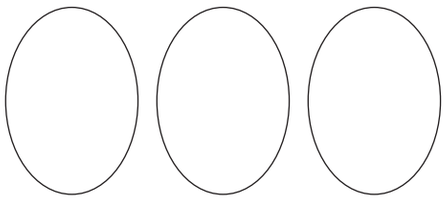
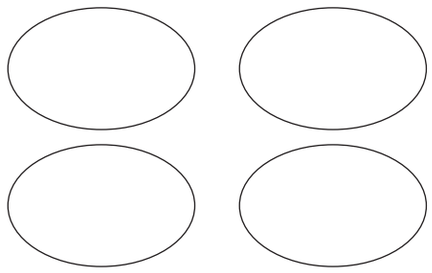
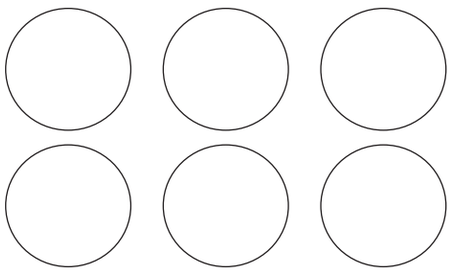
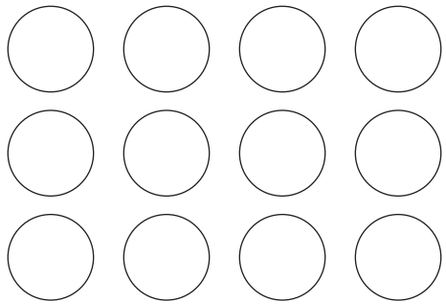
6. Imigca manani (izifundo eziliqela)



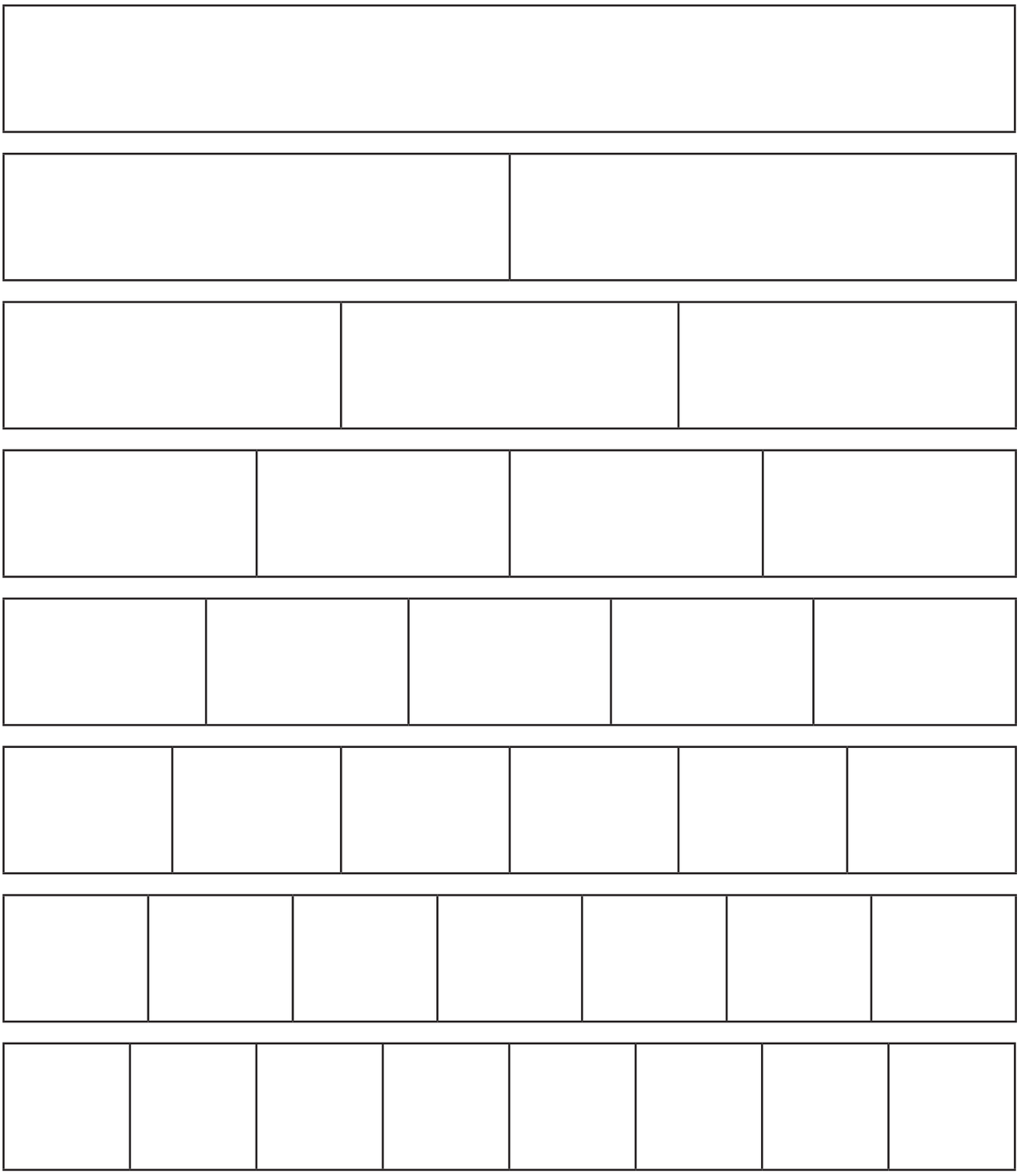


7. Iphepha lokusebenzela lamaqhezu (izifundo 29)

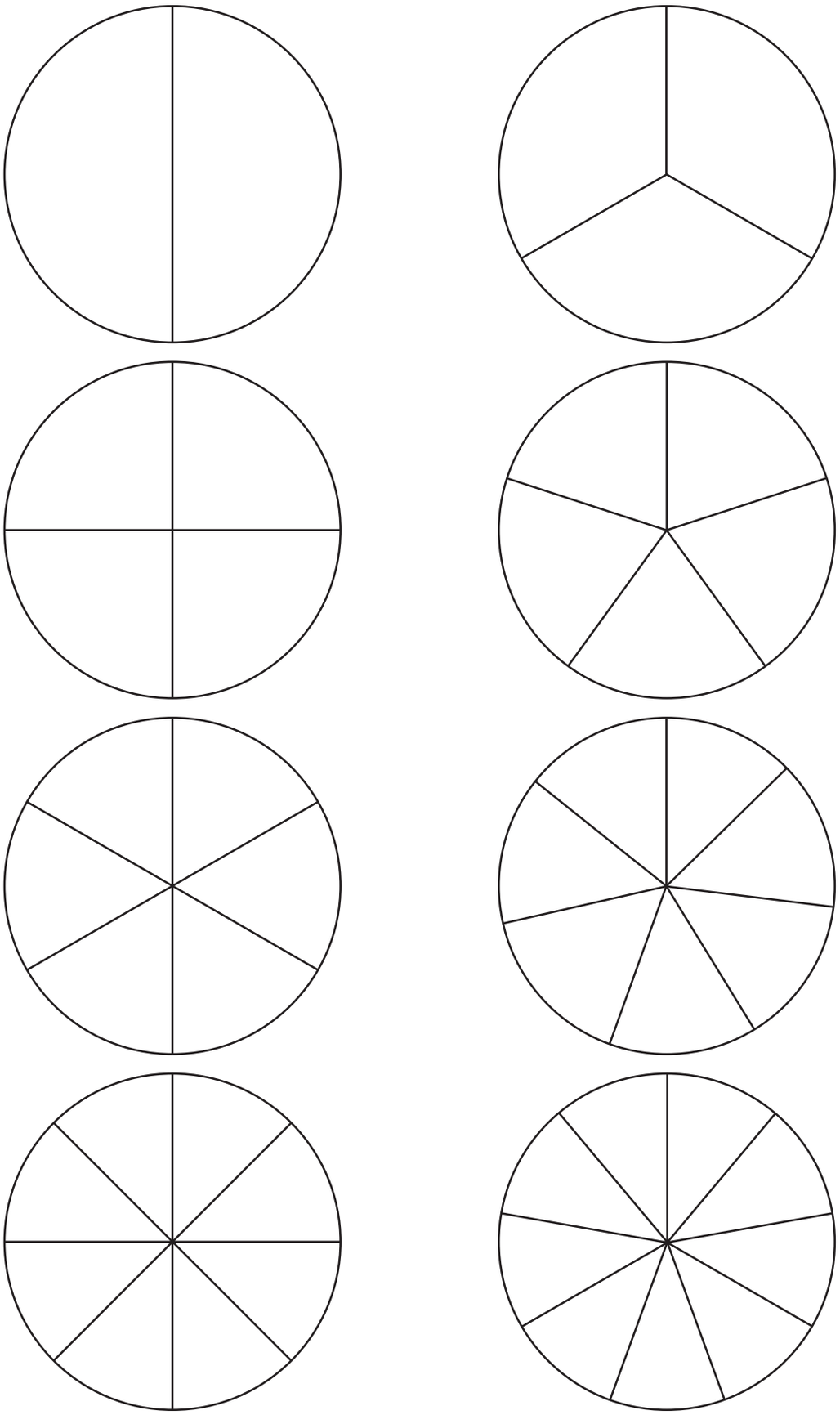
Name: **Date:**

Share twelve counters equally in each row	What did you do?	What did you find?
	I shared _____ counters into _____ groups of equal size. Each group had __ counters. _____ is half of 12.	$\frac{1}{2}$ of 12 is _____ $\frac{2}{2}$ of 12 is _____
	I shared _____ counters into _____ groups of equal size. Each group had _____ counters. _____ is _____ of 12.	$\frac{1}{3}$ of 12 is _____ $\frac{2}{3}$ of 12 is _____ $\frac{3}{3}$ of 12 is _____
	I shared _____ counters into _____ groups of equal size. Each group had _____ counters. _____ is _____ of 12.	$\frac{1}{4}$ of 12 is _____ $\frac{2}{4}$ of 12 is _____ $\frac{3}{4}$ of 12 is _____ $\frac{4}{4}$ of 12 is _____
	I shared _____ counters into _____ groups of equal size. Each group had _____ counters. _____ is _____ of 12.	$\frac{1}{6}$ of 12 is _____ $\frac{2}{6}$ of 12 is _____ $\frac{5}{6}$ of 12 is _____ $\frac{6}{6}$ of 12 is _____
	I shared _____ counters into _____ groups of equal size. Each group had _____ counters. _____ is _____ of 12.	$\frac{1}{12}$ of 12 is _____ $\frac{5}{12}$ of 12 is _____ $\frac{7}{12}$ of 12 is _____ $\frac{8}{12}$ of 12 is _____

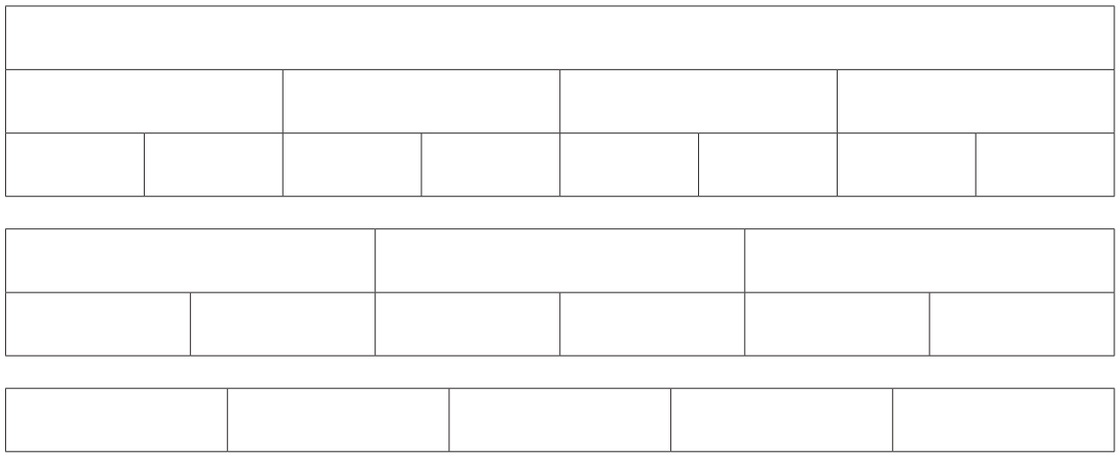
8. Izikwere ezili (izifundo 31)



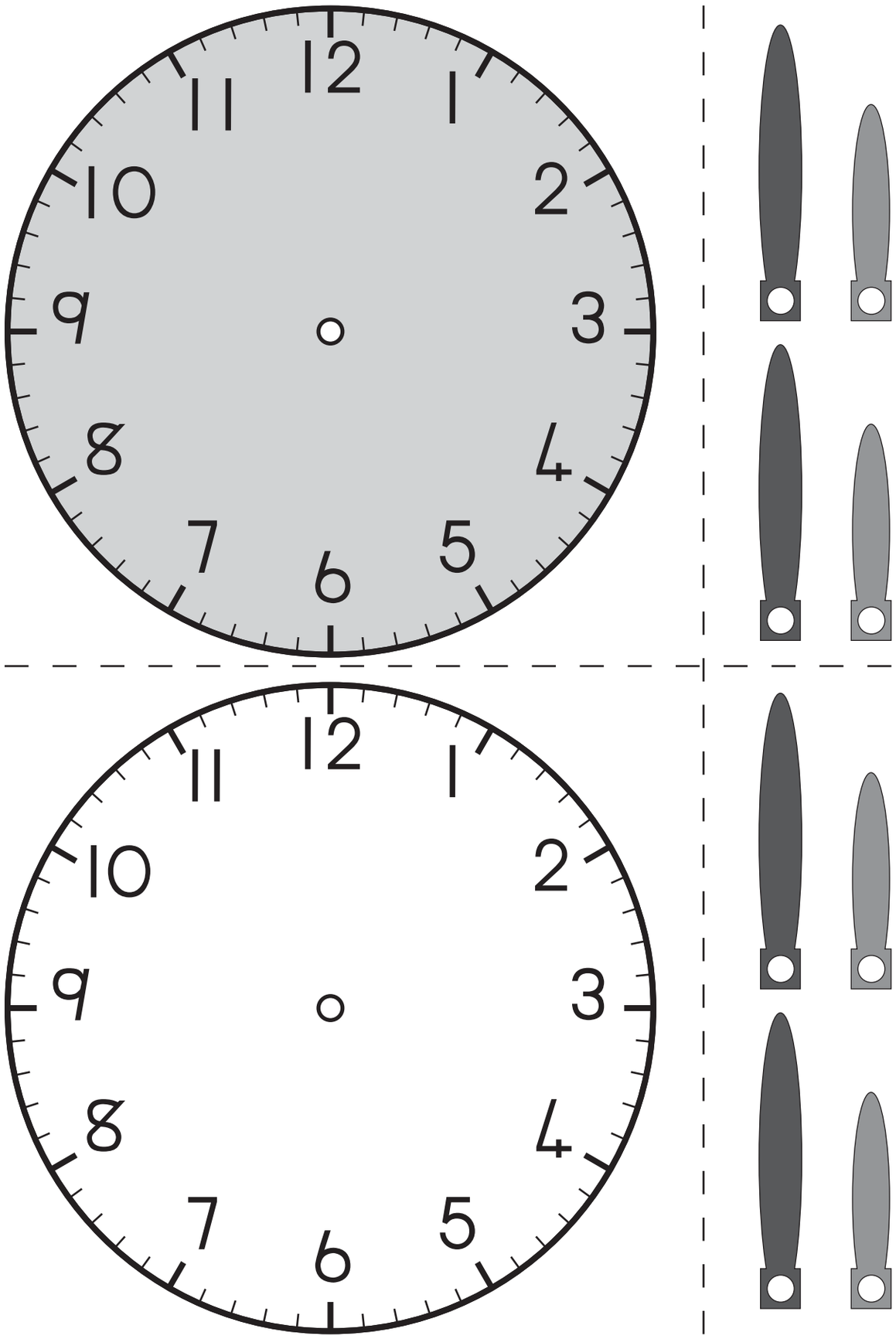
9. Amaqhezu azizangqa (isifundo 31)



10. Udonga lwamaqhezu (isifundo 31)



11. Iwotshi yosiba (izifundo 35 kunye 36)



12. 1-200 Ibhodi yamanani (isifundo 38-40)

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
101	102	103	104	105	106	107	108	109	100
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

2. Mental Mathematics Challenge Cards: Bilingual version

Each term there will be a set of eight mental mathematics challenge cards. If you make them into cards and collect them over the course of the year, you will have a set of one card per teaching week for a year.

Use of the mental mathematics challenge cards

Once a week learners should do mental mathematics in written form, so that there is some record of your daily mental mathematics activities. You can use the **mental mathematics challenge cards** for this purpose.

Learners should not use concrete material to work out the answers in mental mathematics. If learners need to, let them use their fingers as a concrete aid during mental mathematics, but make a note of who they are and then spend time with them during remediation to help them with the basic number and operation skills. Mental mathematics skills improve hugely from Grade 1 to Grade 3. In Grade 1 learners might only manage five questions, especially when they have to write the answers, but by Grade 3 learners should manage ten questions with written answers easily.

Maths Challenge Card 1

Subtraction number range 0-20

Ikhadi Lomcelemngeni loku 1

Thabatha amanani ukusuka ku 0-20

1. 9 – 2 =
2. 13 – 5 =
3. 20 – 2 =
4. 11 – 4 =
5. 18 – 10 =
6. 19 – 11 =
7. 20 – 10 =
8. 13 – 2 =
9. 14 – 5 =
10. 20 – 11 =

Maths Challenge Card 2

Addition of multiples of 10 to 100

Ikhadi Lomcelemngeni lesi 2

Ukudityaniswa kweziphindwa ze 10

1. □ + 70 = 100
2. □ + 50 = 100
3. 20 + □ = 100
4. 40 + □ = 100
5. 60 + □ = 100
6. 90 + □ = 100
7. □ + 30 =100
8. □ + 80 = 100
9. □ + 20 + 100
10. 10 + □ = 100

Maths Challenge Card 3

Doubling and halving

Ikhadi Lomcelemngeni lesi 3

Ukuphinda kabini kunye nokwahlula phakathi

1. 10 + 10 =
2. 100 + 100 =
3. 20 + 20 =
4. 40 + 40 =
5. 30 + 30 =
6. 14 ÷ 2 =
7. 140 ÷ 2 =
8. 12 ÷ 2 =
9. 120 ÷ 2 =
10. 400 ÷ 2 =

Maths Challenge Card 4

Add 10 plus 1 (breaking down 11)

Ikhadi Lomcelemngeni lesi 4

Dibanisa i 10 no 1 (uqhekeze i 11)

1. 54 + 11 =
2. 47 + 11 =
3. 27 + 11 =
4. 44 + 11 =
5. 28 + 11 =
6. 57 + 11 =
7. 75 + 11 =
8. 22 + 11 =
9. 88 + 11 =
10. 14 + 11 =

Maths Challenge Card 1: Answers

Subtraction number range 0-20

Ikhadi Lomcelemngeni loku 1: Iimpendulo

Thabatha amanani ukusuka ku 0-20

1. 7
2. 8
3. 18
4. 7
5. 8
6. 8
7. 10
8. 11
9. 9
10. 9

Maths Challenge Card 2: Answers

Addition of multiples of 10 to 100

Ikhadi Lomcelemngeni lesi 2: Iimpendulo

Ukudityaniswa kweziphindwa ze 10

1. 30
2. 50
3. 80
4. 60
5. 40
6. 10
7. 70
8. 20
9. 80
10. 90

Maths Challenge Card 3: Answers

Doubling and halving

Ikhadi Lomcelemngeni lesi 3: Iimpendulo

Ukuphinda kabini kunye nokwahlula phakathi

1. 20
2. 200
3. 40
4. 80
5. 60
6. 7
7. 70
8. 6
9. 60
10. 200

Maths Challenge Card 4: Answers

Add 10 plus 1 (breaking down 11)

Ikhadi Lomcelemngeni lesi 4: Iimpendulo

Dibanisa i 10 no 1 (uqhekeze i 11)

1. 65
2. 58
3. 38
4. 55
5. 39
6. 68
7. 86
8. 33
9. 99
10. 25

Maths Challenge Card 5

Subtract 10 plus 1 (breaking down 11)

Ikhadi Lomcelemngeni lesi 5

Thabatha i 10 no 1 (uqhekeze i 11)

1. 54 – 11 =
2. 47 – 11 =
3. 27 – 11 =
4. 44 – 11 =
5. 28 – 11 =
6. 57 – 11 =
7. 75 – 11 =
8. 22 – 11 =
9. 88 – 11 =
10. 14 – 11 =

Maths Challenge Card 6

Addition number range 0-20

Ikhadi Lomcelemngeni lesi 6

Ukudibanisa amanani ukusuka ku 0 - 20

1. 15 + □ = 20
2. 8 + □ = 20
3. 7 + □ = 20
4. 16 + □ = 20
5. 14 + □ = 20
6. 13 + □ = 20
7. 12 + □ = 20
8. 10 + □ = 20
9. 19 + □ = 20
10. 17 + □ = 20

Maths Challenge Card 7

Add 10; 10 + 1 or 10 – 1

Ikhadi Lomcelemngeni lesi 7

Dibanisa 10; 10 + 1 okanye 10 – 1

1. 10 + 10 =
2. 10 + 11 =
3. 10 + 9 =
4. 20 + 20 =
5. 20 + 19 =
6. 20 + 21 =
7. 50 + 50 =
8. 50 + 49 =
9. 50 + 51 =
10. 100 + 101 =

Maths Challenge Card 8

Counting in 2s and 10s

Ikhadi Lomcelemngeni lesi 8

Bala ngonoo 2 kunye nangama 10

1. 8, 10, 12, ___, ___, ___
2. 0, 2, 4, ___, ___, ___
3. ___, ___, ___, 6, 4, 2
4. ___, ___, ___, 12, 14, 16
5. 20, 18, 16, ___, ___, ___
6. 10, 20, 30, ___, ___, ___
7. ___, ___, ___, 80, 90, 100
8. ___, ___, ___, 60, 50, 40
9. 30, ___, ___, ___, 70
10. 60, ___, ___, ___, 20

Maths Challenge Card 5: Answers

Subtract 10 plus 1 (breaking down 11)

Ikhadi Lomcelemngeni lesi 5: Iimpendulo

Thabatha i 10 no 1 (uqhekeze i 11)

1. 43
2. 36
3. 16
4. 33
5. 17
6. 46
7. 64
8. 11
9. 77
10. 3

Maths Challenge Card 6: Answers

Addition number range 0–20

Ikhadi Lomcelemngeni lesi 6: Iimpendulo

Ukudibanisa amanani ukusuka ku 0 - 20

1. 5
2. 12
3. 13
4. 4
5. 6
6. 7
7. 8
8. 10
9. 1
10. 3

Maths Challenge Card 7: Answers

Add 10; 10 + 1 or 10 – 1

Ikhadi Lomcelemngeni lesi 7: Iimpendulo

Dibanisa 10; 10 + 1 okanye 10 – 1

1. 20
2. 21
3. 19
4. 40
5. 39
6. 41
7. 100
8. 99
9. 101
10. 201

Maths Challenge Card 8: Answers

Counting in 2s and 10s

Ikhadi Lomcelemngeni lesi 8: Iimpendulo

Bala ngonoo 2 kunye nangama 10

1. 14, 16, 18
2. 6, 8, 10
3. 12, 10, 8
4. 6, 8, 10
5. 14, 12, 10
6. 40, 50, 60
7. 50, 60, 70
8. 90, 80, 70
9. 40, 50, 60
10. 50, 40, 30

3. Enrichment Activity Cards: English version

Each term a set of new enrichment cards will be provided. You should retain this set, as they will not be reproduced each term.

Use of the enrichment activity cards

Optional as required.

These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some of the activities to the learners who use them. You should remind them to ask you questions about any of the enrichment activities that they are doing, so that you can guide them as necessary.

You should photocopy the enrichment cards, paste them onto cardboard and laminate them (if possible), so that they can be used as a resource, not only this year but in the future as well.

Put the cardboard laminated cards into a box in a set place in your classroom, so that learners know where to find them. These cards are for all learners and do not have to be used in a particular order. Learners should keep a record of the cards that they have done, so that they continue to choose a new card each time they go to the box. Learners must be taught to replace the cards in numeric order in the box, so that everyone who looks for cards can easily find the one they want to use.

Enrichment Activity 1.1

Complete the magic squares. All the rows need to add up to the number indicated at the top of each square.

	16	
	2	
3	5	
		4

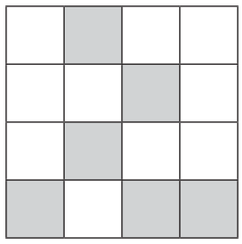
	20	
		0
	4	
	5	

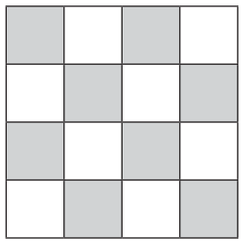
	25	
	9	6
	4	
2		11

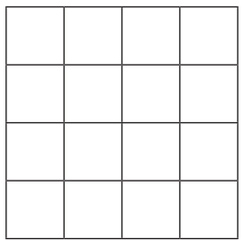
	29	
		13
12	5	
	13	

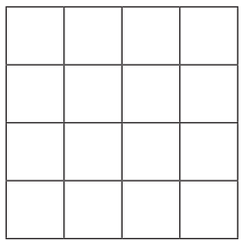
Enrichment Activity 1.2

Colour the squares at the bottom to match the ones at the top.



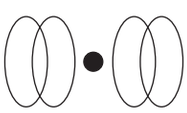


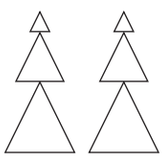




Enrichment Activity 1.3

Complete the patterns.





Enrichment Activity 1.4

Complete the patterns.

4	3	4					

9	1	2	9				

6	9	9	3	6			

2	4	3	2	4			

Enrichment Activity 1.1: Answers

Complete the magic squares. All the rows need to add up to the number indicated at the top of each square.

	16	
10	2	4
3	5	8
3	9	4

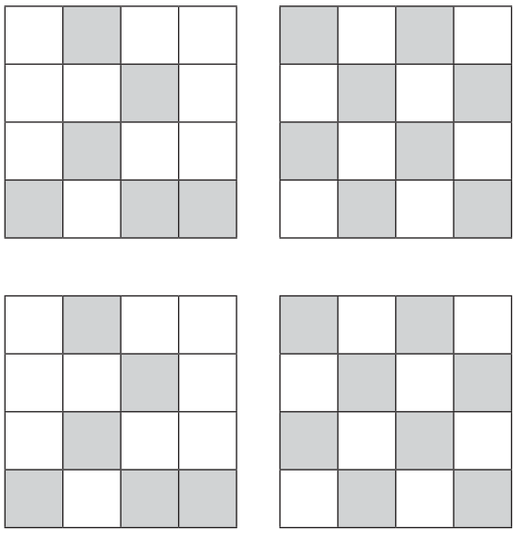
	20	
10	10	0
2	4	14
8	6	6

	25	
10	9	6
13	4	8
2	12	11

	29	
5	11	13
12	5	12
12	13	4

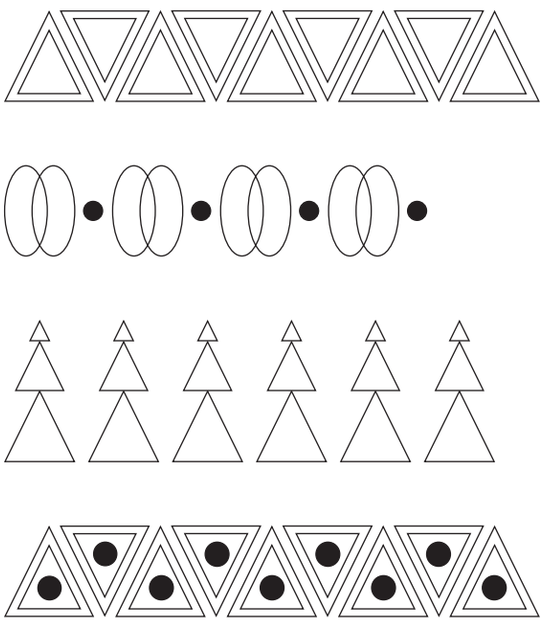
Enrichment Activity 1.2: Answers

Colour the squares at the bottom to match the ones at the top.



Enrichment Activity 1.3: Answers

Complete the patterns.



Enrichment Activity 1.4: Answers

Complete the patterns.

4	3	4	3	4	3	4	3

9	1	2	9	1	2	9	1

6	9	9	3	6	9	9	3

2	4	3	2	4	3	2	4

Enrichment Activity 1.5

Measure with your ruler.

How long is your thumb? _____ cm

How long is your ring finger? _____ cm

Measure your pencil. _____ cm.

A line that is 5 cm shorter than your ring finger is _____ cm.

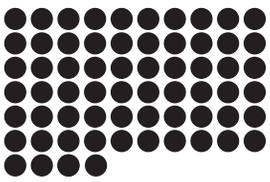
A line that is 5 cm longer than your thumb is _____ cm.

Enrichment Activity 1.6

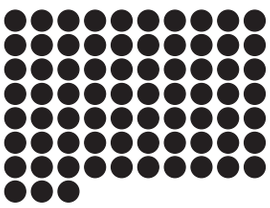
Circle the pictures that you see from the top blue, and the ones you see from the front red.

Enrichment Activity 1.7

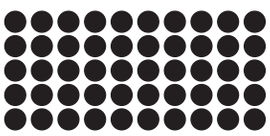
Write how many tens and units there are in each group.



____ tens _____ ones/units



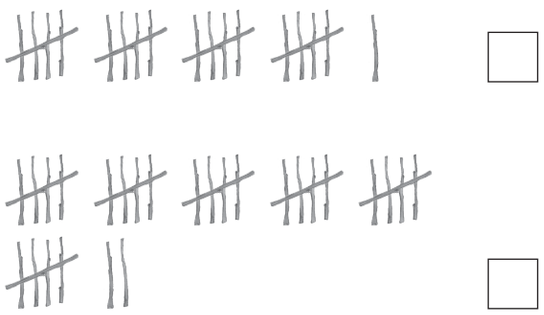
____ tens ____ ones/units



____ tens ____ ones/units

Enrichment Activity 1.8

How many sticks are there.



Draw 48 sticks in the same way:

Enrichment Activity 1.5: Answers

Measure with your ruler.

Answers will vary

How long is your thumb? _____ cm

How long is your ring finger? _____ cm

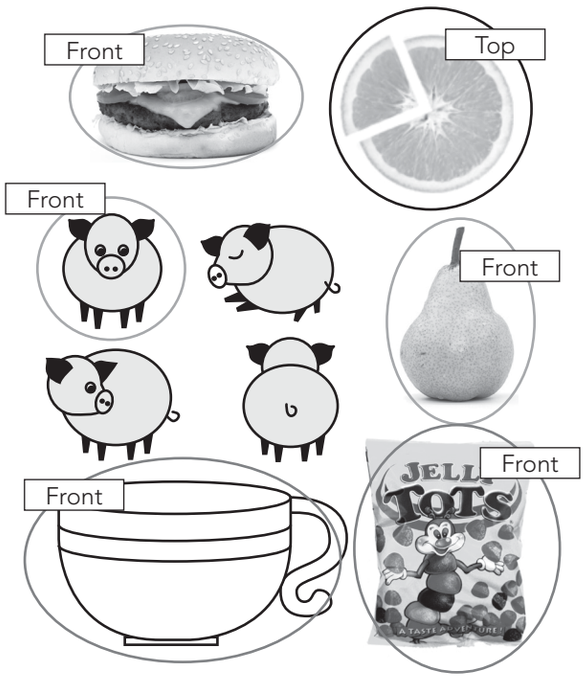
Measure your pencil. _____ cm.

A line that is 5 cm shorter than your ring finger is _____ cm.

A line that is 5 cm longer than your thumb is _____ cm.

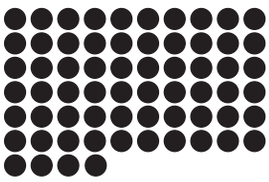
Enrichment Activity 1.6: Answers

Circle the pictures that you see from the top blue, and the ones you see from the front red.

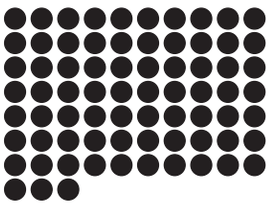


Enrichment Activity 1.7: Answers

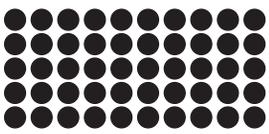
Write how many tens and units there are in each group.



6 tens 4 ones/units



7 tens 3 ones/units

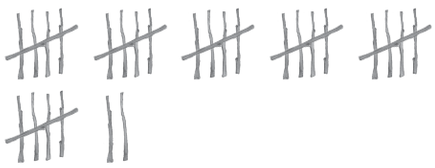


5 tens 0 ones/units

Enrichment Activity 1.8: Answers

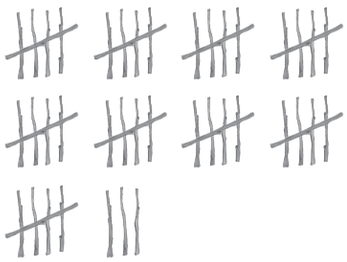
How many sticks are there.

21



32

Draw 48 sticks in the same way:



Enrichment Activity 1.9

Match the number with the number name.

21	Forty-three
43	Twenty-nine
45	Fifty-one
29	Seventy-six
58	Twenty-one
51	Forty-five
54	Sixty-seven
67	Fifty-four
76	Fifty-eight

Enrichment Activity 1.10

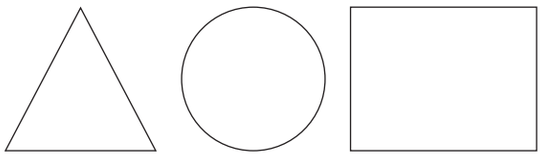
Colour two numbers in each row that add up to 50.

19	9	3	31	7
12	48	41	10	9
31	12	38	24	30
5	9	35	45	10

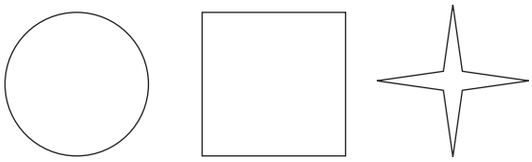
Enrichment Activity 1.11

Divide these shapes into:

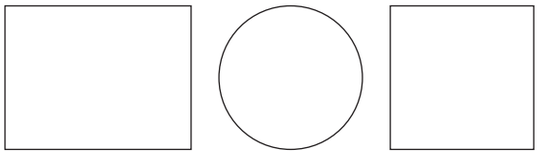
Halves



Quarters

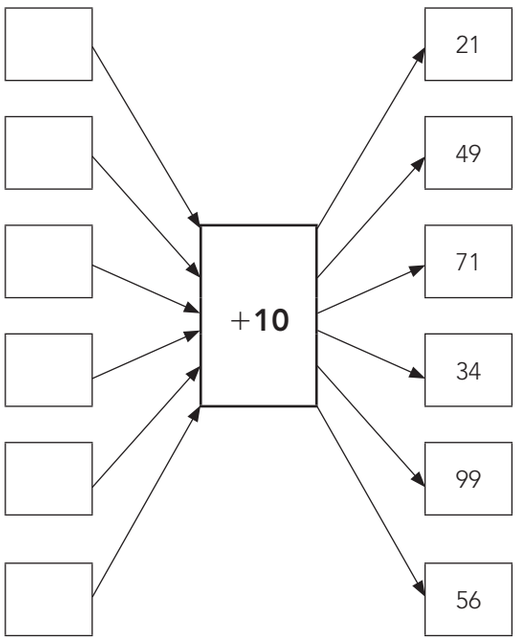


Thirds



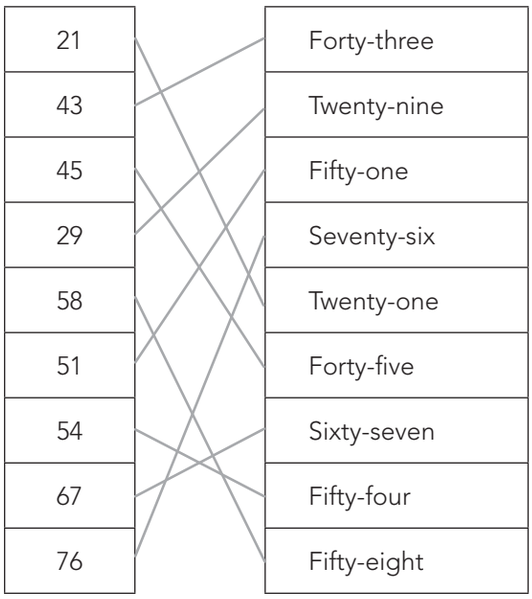
Enrichment Activity 1.12

Complete the following:



Enrichment Activity 1.9: Answers

Match the number with the number name.



Enrichment Activity 1.10: Answers

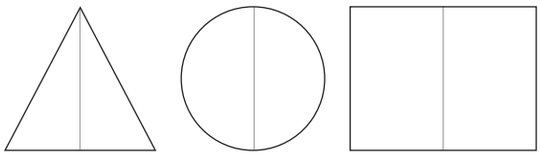
Colour two numbers in each row that add up to 50.

19	9	3	31	7
12	48	41	10	9
31	12	38	24	30
5	9	35	45	10

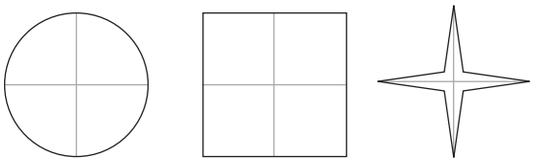
Enrichment Activity 1.11: Answers

Divide these shapes into:

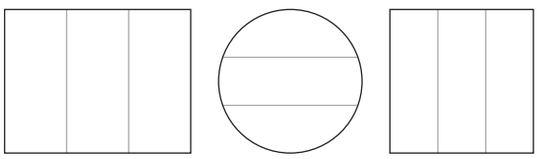
Halves



Quarters

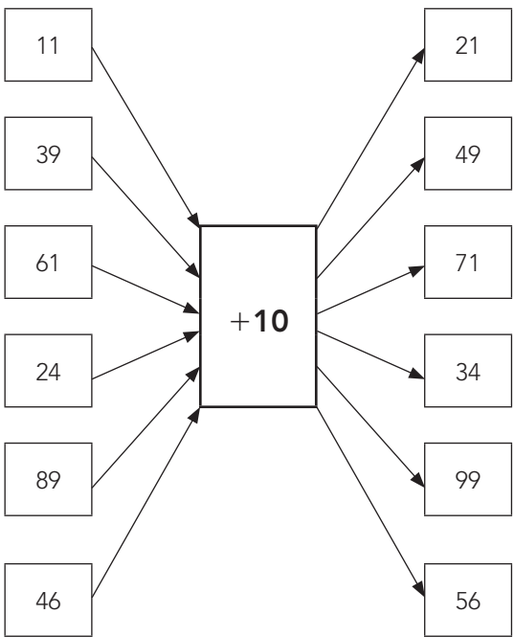


Thirds



Enrichment Activity 1.12: Answers

Complete the following:



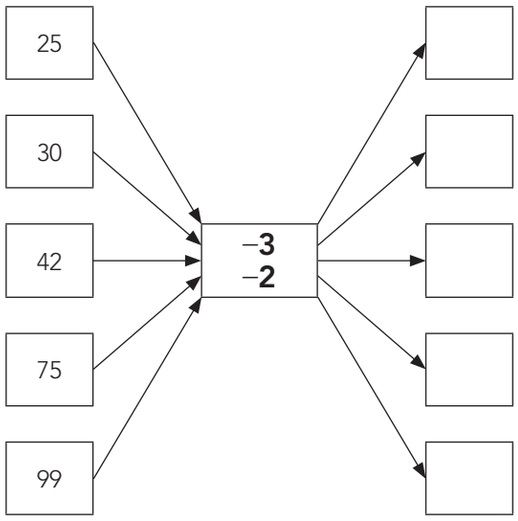
Enrichment Activity 1.13

Colour the two numbers that add up to the given answer.

9	21	13	+	17	11	19	=	40
41	12	29	+	19	11	38	=	50
14	9	8	+	15	21	22	=	30
13	6	2	+	7	9	12	=	20
10	21	37	+	23	40	33	=	60

Enrichment Activity 1.14

Complete the following:



Enrichment Activity 1.15

Colour the circles:

Colour the first circle red.

Colour the last circle blue.

Colour the eighth circle green.

Colour the ninth circle yellow.

Colour the sixth circle pink.

Colour the third circle black.

Colour the second circle orange.

Enrichment Activity 1.16

Can you solve these problems?

1. Mom had R48.
   She bought a cake for R45 and
   a sweet for R1.
   How much money does she have left?

2. Thandi had 80c.
   She spent 25c on sweets and
   18c on juice.
   How much money does she have left?

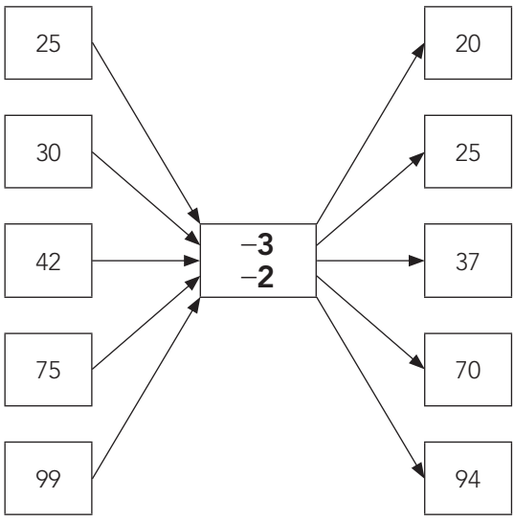
Enrichment Activity 1.13: Answers

Colour the two numbers that add up to the given answer.

9	21	13	+	17	11	19	=	40
41	12	29	+	19	11	38	=	50
14	9	8	+	15	21	22	=	30
13	6	2	+	7	9	12	=	20
10	21	37	+	23	40	33	=	60

Enrichment Activity 1.14: Answers

Complete the following:



Enrichment Activity 1.15: Answers

Colour the circles:

Colour the first circle red.

Colour the last circle blue.

Colour the eighth circle green.

Colour the ninth circle yellow.

Colour the sixth circle pink.

Colour the third circle black.

Colour the second circle orange.

Enrichment Activity 1.16: Answers

Can you solve these problems?

1. Mom had R48.
   She bought a cake for R45 and
   a sweet for R1.
   How much money does she have left?

   R2

2. Thandi had 80c.
   She spent 25c on sweets and
   18c on juice.
   How much money does she have left?

   37c

Enrichment Activity 1.17

Make a tick (✓) if the answer is correct.

Make a cross (✗) if the answer is wrong.

double 40 is 80	
half of 120 is 70	
double 90 is 180	
half of 200 is 100	
half of 160 is 60	
double 70 is 140	
double 60 is 120	
half of 140 is 80	

Enrichment Activity 1.18

Look at these patterns.

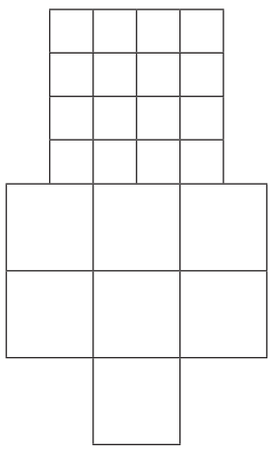
Make a tick (✓) if the answer is correct.

Make a cross (✗) if the answer is wrong.

13*15*17*19*21*23*25*27	
82*84*86*90*92*94*96	
110*120*130*130*140*160*170	
85*90*95*100*125*130*135	
11*12*13*17*18*19*20*21	

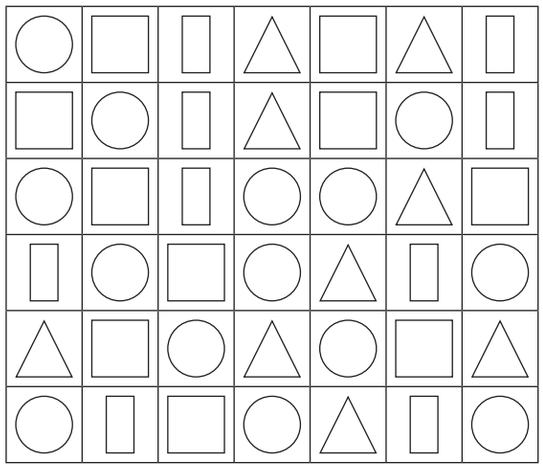
Enrichment Activity 1.19

How many squares can you count?



Enrichment Activity 1.20

Find the shapes.



How many

triangles? _____ rectangles? _____

circles? _____ squares? _____

Enrichment Activity 1.17: Answers

Make a tick (✓) if the answer is correct.

Make a cross (✗) if the answer is wrong.

double 40 is 80	✓
half of 120 is 70	✗
double 90 is 180	✓
half of 200 is 100	✓
half of 160 is 60	✗
double 70 is 140	✓
double 60 is 120	✓
half of 140 is 80	✗

Enrichment Activity 1.18: Answers

Look at these patterns.

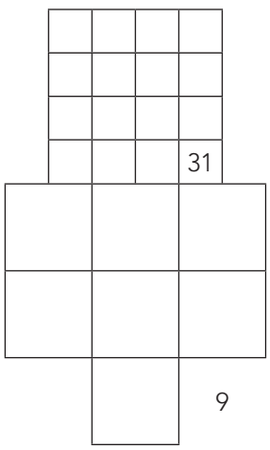
Make a tick (✓) if the answer is correct.

Make a cross (✗) if the answer is wrong.

13*15*17*19*21*23*25*27	✓
82*84*86*90*92*94*96	✗
110*120*130*130*140*160*170	✗
85*90*95*100*125*130*135	✗
11*12*13*17*18*19*20*21	✗

Enrichment Activity 1.19: Answers

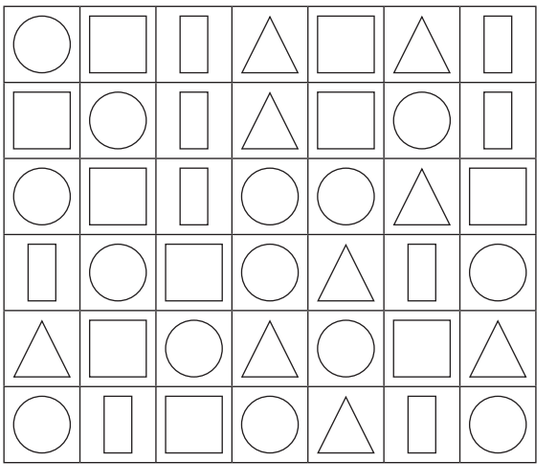
How many squares can you count?



40 sqaures

Enrichment Activity 1.20: Answers

Find the shapes.



How many

triangles? 9

rectangles? 9

circles? 14

squares? 10

Enrichment Activity 1.21

Complete the following:

10 more than 18 is _____

7 less than 20 is _____

12 less than 19 is _____

24 more than 16 is _____

31 more than 17 is _____

18 more than 15 is _____

15 more than 18 is _____

12 less than 20 is _____

41 more than 13 is _____

Enrichment Activity 1.22

Complete the following:

Double 4 plus 30 is _____

Double 6 plus 21 is _____

Double 5 plus 15 is _____

Double 7 plus 33 is _____

Double 9 plus 21 is _____

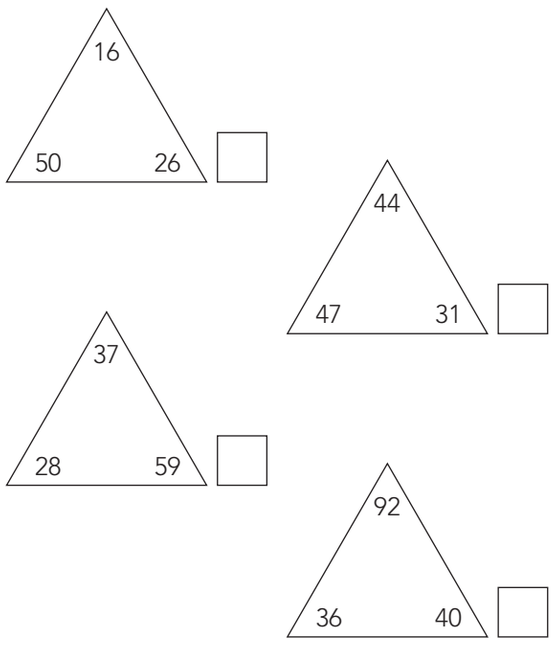
Enrichment Activity 1.23

Complete the pattern.

59	64	69						
74	77	80						
69	65	61						
200	190							

Enrichment Activity 1.24

What is the value of each triangle?
Write the answer in the square.



Enrichment Activity 1.21: Answers

Complete the following:

10 more than 18 is 28

7 less than 20 is 13

12 less than 19 is 7

24 more than 16 is 40

31 more than 17 is 48

18 more than 15 is 33

15 more than 18 is 33

12 less than 20 is 8

41 more than 13 is 54

Enrichment Activity 1.22: Answers

Complete the following:

Double 4 plus 30 is 38

Double 6 plus 21 is 33

Double 5 plus 15 is 25

Double 7 plus 33 is 47

Double 9 plus 21 is 39

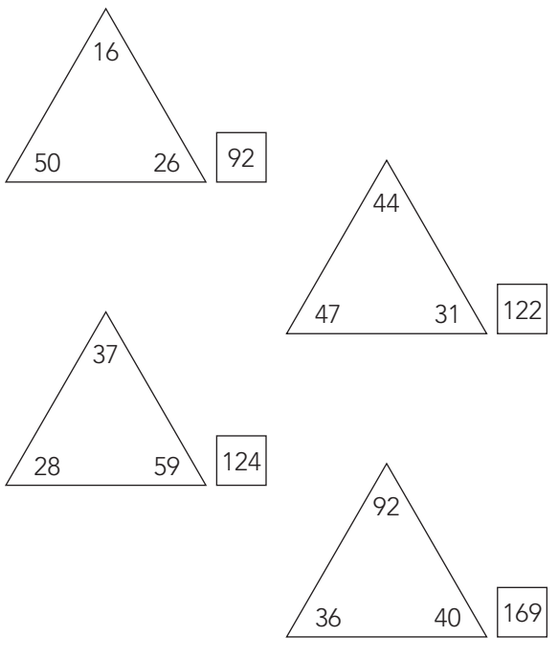
Enrichment Activity 1.23: Answers

Complete the pattern.

59	64	69	74	79	84	89	94	99
74	77	80	83	86	89	92	95	98
69	65	61	57	53	49	45	41	37
200	190	180	170	160	150	140	130	120

Enrichment Activity 1.24: Answers

What is the value of each triangle?
Write the answer in the square.



Enrichment Activity 1.25

Write the answer in numbers.

Sixty-one plus thirteen equals _____

Forty-eight plus twenty-one equals ____

Thirty-three plus thirteen equals _____

Sixty take away fifteen equals _____

One hundred take away fifteen equals ____

Twenty-nine plus forty-one equals _____

Enrichment Activity 1.26

Who am I?

I am the day before Monday. _____

I am the day between Friday and Sunday. _____

I am the first day of the weekend. _____

I am the first day of the week. _____

I am the day before Wednesday. _____

Enrichment Activity 1.27

Number sentences.

Use the numbers in the boxes to make sums.

32 48 16	_____ + _____ = _____
18 37 19	_____ + _____ = _____
6 62 51 5	____ + ____ + ____ = ____

Enrichment Activity 1.28

Who am I?

I am the month before May. _____

I am the month after June. _____

I am the month between October and December. _____

I am the first month of spring. _____

I am the last month of the year. _____

I am the tenth month. _____

Enrichment Activity 1.25: Answers

Write the answer in numbers.

Sixty-one plus thirteen equals 74

Forty-eight plus twenty-one equals 69

Thirty-three plus thirteen equals 46

Sixty take away fifteen equals 45

One hundred take away fifteen equals 85

Twenty-nine plus forty-one equals 70

Enrichment Activity 1.26: Answers

Who am I?

I am the day before Monday.

Sunday

I am the day between Friday and Sunday.

Saturday

I am the first day of the weekend.

Saturday

I am the first day of the week.

Monday

I am the day before Wednesday.

Tuesday

Enrichment Activity 1.27: Answers

Number sentences.

Use the numbers in the boxes to make sums.

32 48 16	16 + 32 = 48
18 37 19	18 + 19 = 37
6 62 51 5	51 + 6 + 5 = 62

Enrichment Activity 1.28: Answers

Who am I?

I am the month before May.

April

I am the month after June.

July

I am the month between October and December.

November

I am the first month of spring.

September

I am the last month of the year.

December

I am the tenth month.

October

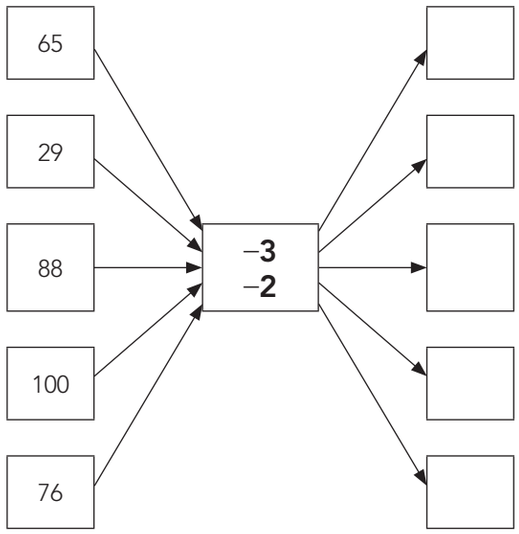
Enrichment Activity 1.29

Colour the two numbers that add up to the given answer.

46	60	31	+	1	0	32	=	63
8	15	23	+	82	77	29	=	90
4	48	22	+	43	11	12	=	59
31	26	29	+	16	8	92	=	47
40	60	20	+	44	11	51	=	71

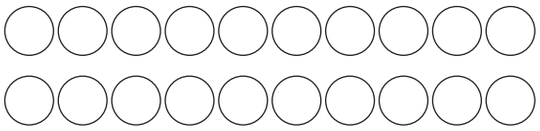
Enrichment Activity 1.30

Complete the following:



Enrichment Activity 1.31

Colour the circles:



Colour the first circle red.

Colour the last circle blue.

Colour the eighteenth circle green.

Colour the nineteenth circle yellow.

Colour the sixteenth circle pink.

Colour the third circle black.

Colour the fifteenth circle orange.

Colour the eleventh circle brown.

Enrichment Activity 1.32

Can you solve these problems?

1. Mom had R58.
   She bought a cake for R45 and
   a sweet for R12.
   How much money does she have left?

2. Thandi had 520c.
   She spent 405c on sweets and
   80c on juice.
   How much money does she have left?

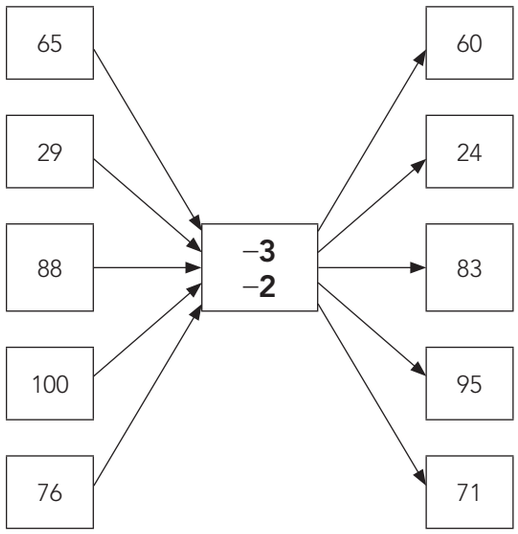
Enrichment Activity 1.29: Answers

Colour the two numbers that add up to the given answer.

46	60	31	+	1	0	32	=	63
8	15	23	+	82	77	29	=	90
4	48	22	+	43	11	12	=	59
31	26	29	+	16	8	92	=	47
40	60	20	+	44	11	51	=	71

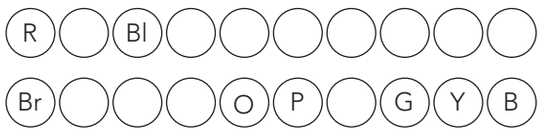
Enrichment Activity 1.30: Answers

Complete the following:



Enrichment Activity 1.31: Answers

Colour the circles:



Colour the first circle red.

Colour the last circle blue.

Colour the eighteenth circle green.

Colour the nineteenth circle yellow.

Colour the sixteenth circle pink.

Colour the third circle black.

Colour the fifteenth circle orange.

Colour the eleventh circle brown.

Enrichment Activity 1.32: Answers

Can you solve these problems?

1. Mom had R58.
   She bought a cake for R45 and
   a sweet for R12.
   How much money does she have left?

   R1

2. Thandi had 520c.
   She spent 405c on sweets and
   80c on juice.
   How much money does she have left?

   35c

4. Enrichment Activity Cards: isiXhosa version

Each term a set of new enrichment cards will be provided. You should retain this set, as they will not be reproduced each term.

Use of the enrichment activity cards

Optional as required.

These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some of the activities to the learners who use them. You should remind them to ask you questions about any of the enrichment activities that they are doing, so that you can guide them as necessary.

You should photocopy the enrichment cards, paste them onto cardboard and laminate them (if possible), so that they can be used as a resource, not only this year but in the future as well.

Put the cardboard laminated cards into a box in a set place in your classroom, so that learners know where to find them. These cards are for all learners and do not have to be used in a particular order. Learners should keep a record of the cards that they have done, so that they continue to choose a new card each time they go to the box. Learners must be taught to replace the cards in numeric order in the box, so that everyone who looks for cards can easily find the one they want to use.

Umsebenzi Wophuculo 1.1

Gqibezela izikwere zomlingo. Yonke imiqolo kufuneke ithi yakudityaniswa yenze inani eliphezulu kwisikwere ngasinye.

	16	
	2	
3	5	
		4

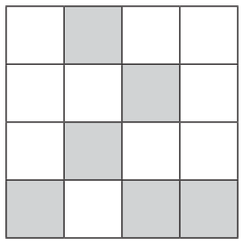
	20	
		0
	4	
	5	

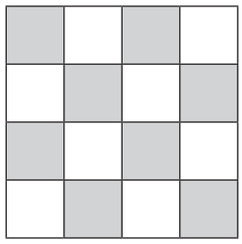
	25	
	9	6
	4	
2		11

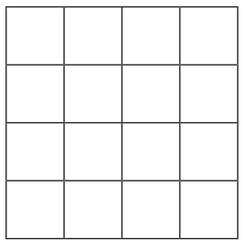
	29	
		13
12	5	
	13	

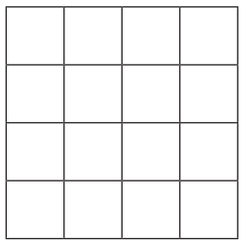
Umsebenzi Wophuculo 1.2

Fakela umbala kwizikwere ezingaphantsi ukuzezifane nezingaphezulu.



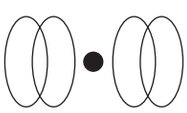


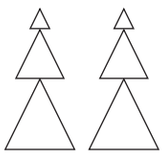




Umsebenzi Wophuculo 1.3

Gqibezela iipateni:





Umsebenzi Wophuculo 1.4

Gqibezela iipateni::

4	3	4					

9	1	2	9				

6	9	9	3	6			

2	4	3	2	4			

Umsebenzi Wophuculo 1.1

Gqibezela izikwere zomlingo. Yonke imiqolo kufuneke ithi yakudityaniswa yenze inani eliphezulu kwisikwere ngasinye.

	16	
10	2	4
3	5	8
3	9	4

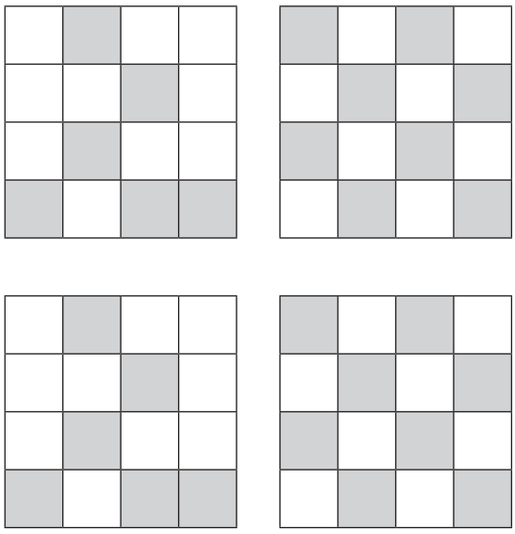
	20	
10	10	0
2	4	14
8	6	6

	25	
10	9	6
13	4	8
2	12	11

	29	
5	11	13
12	5	12
12	13	4

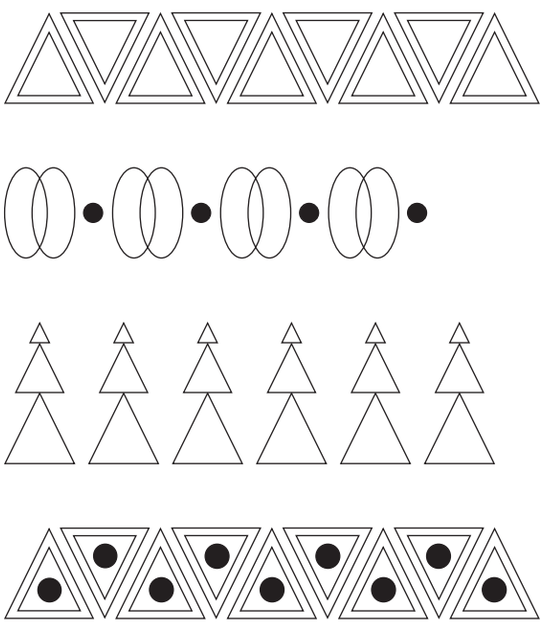
Umsebenzi Wophuculo 1.2

Fakela umbala kwizikwere ezingaphantsi ukuze zifane nezingaphezulu.



Umsebenzi Wophuculo 1.3

Gqibezela iipateni:



Umsebenzi Wophuculo 1.4

Gqibezela iipateni:

4	3	4	3	4	3	4	3

9	1	2	9	1	2	9	1

6	9	9	3	6	9	9	3

2	4	3	2	4	3	2	4

Umsebenzi Wophuculo 1.5

Linganisa ngerula yakho:

Mde kangakanani ubhontsi wakho? _____cm

Mde kangakanani umnwe wakho unondwayiza(lo ufaka umsesane)? _____cm

Linganisa ipensile yakho? _____ cm

Umnwe omfutshane nge 5cm kumnwe wakho womsesane? _____ cm

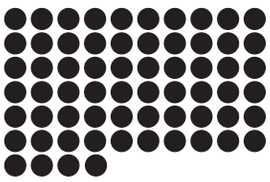
Umgca omde nge 5cm kunobhontsi wakho? _____ cm

Umsebenzi Wophuculo 1.6

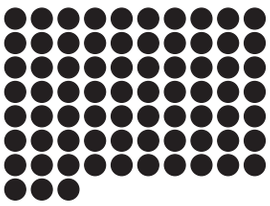
Biyela ngesangqa imifanekiso oyibona ukusuka ekuqaleni mzuba, nezo uzibona ngomphambili bomvu.

Umsebenzi Wophuculo 1.7

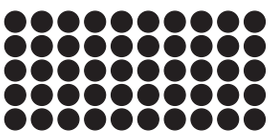
Bhala ukuba mangaphi amashumi kunye neeyunithsi kwiqela ngalinye.



Amashumi ____ Oononye/ iyunithsi ____



Amashumi ____ Oononye/ iyunithsi ____



Amashumi ____ Oononye/ iyunithsi _____

Umsebenzi Wophuculo 1.8

Zingaphi izinti eziphaya?

Zoba izinti ezinga 48 kwangale ndlela:

Umsebenzi Wophuculo 1.5

Linganisa ngerula yakho:

Iimpendulo di tlaa fapaana

Mde kangakanani ubhontsi wakho? _____cm

Mde kangakanani umnwe wakho unondwayiza(lo ufaka umsesane)? _____cm

Linganisa ipensile yakho? _____ cm

Umnwe omfutshane nge 5cm kumnwe wakho womsesane? _____ cm

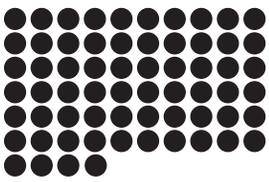
Umgca omde nge 5cm kunobhontsi wakho? _____ cm

Umsebenzi Wophuculo 1.6

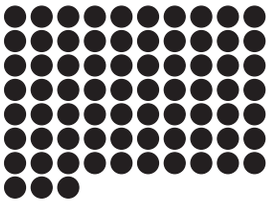
Biyela ngesangqa imifanekiso oyibona ukusuka ekuqaleni mzuba, nezo uzibona ngomphambili bomvu.

Umsebenzi Wophuculo 1.7

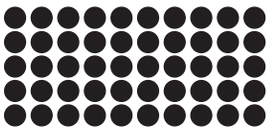
Bhala ukuba mangaphi amashumi kunye neeyunithsi kwiqela ngalinye.



Amashumi 6 Oononye/ iyunithsi 4



Amashumi 7 Oononye/ iyunithsi 3



Amashumi 5 Oononye/ iyunithsi 3

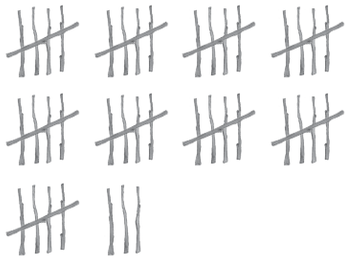
Umsebenzi Wophuculo 1.8

Zingaphi izinti eziphaya?

21

32

Zoba izinti ezinga 48 kwangale ndlela:



Umsebenzi Wophuculo 1.9

Ngqamanisa amanani kunye namagama manani.

21	Amashumi amane anesithathu
43	Amashumi amabini anethoba
45	Amashumi amahlanu ananye
29	Amashumi asixhenxe anesithandathu
58	Amashumi amabini ananye
51	Amashumi amane anantlanu
54	Amashumi amathandathu anesixhenxe
67	Amashumi amahlanu anane
76	Amashumi amahlanu anesibhozo

Umsebenzi Wophuculo 1.10

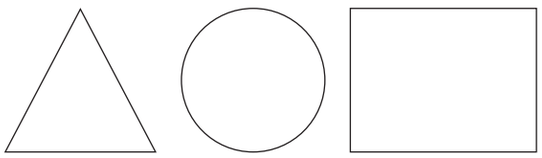
Fakela umbala kumqolo ngamnye ethi yakudityaniswa inike ama 50.

19	9	3	31	7
12	48	41	10	9
31	12	38	24	30
5	9	35	45	10

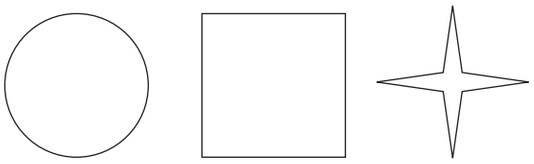
Umsebenzi Wophuculo 1.11

Yohlukanisa ezi milo ngokwa:

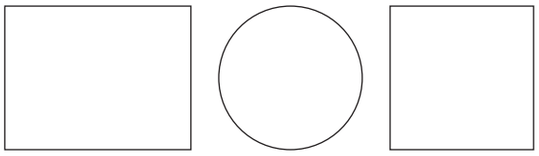
Amacala



Iikota

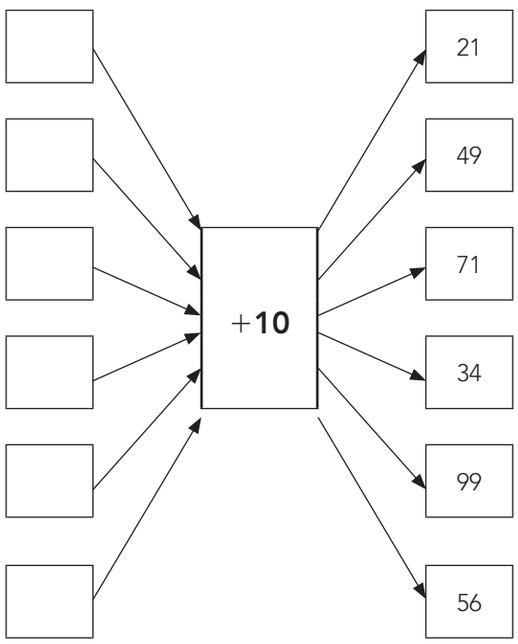


Izithathu



Umsebenzi Wophuculo 1.12

Gqibezela okulandelayo:



Umsebenzi Wophuculo 1.9

Ngqamanisa amanani kunye namagama manani.

21	Amashumi amane anesithathu
43	Amashumi amabini anethoba
45	Amashumi amahlanu ananye
29	Amashumi asixhenxe anesithandathu
58	Amashumi amabini ananye
51	Amashumi amane anantlanu
54	Amashumi amathandathu anesixhenxe
67	Amashumi amahlanu anane
76	Amashumi amahlanu anesibhozo

Umsebenzi Wophuculo 1.10

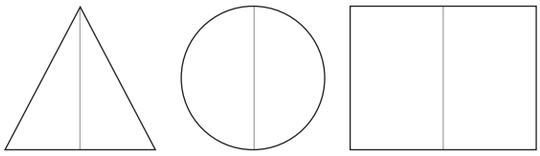
Fakela umbala kumqolo ngamnye ethi yakudityaniswa inike ama 50.

19	9	3	31	7
12	48	41	10	9
31	12	38	24	30
5	9	35	45	10

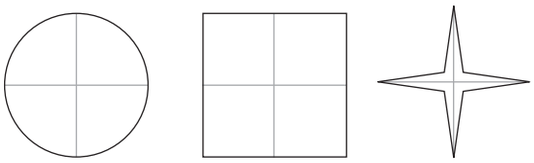
Umsebenzi Wophuculo 1.11

Yohlukanisa ezi milo ngokwa:

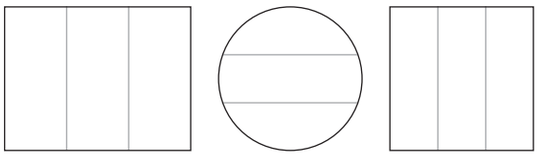
Amacala



Iikota

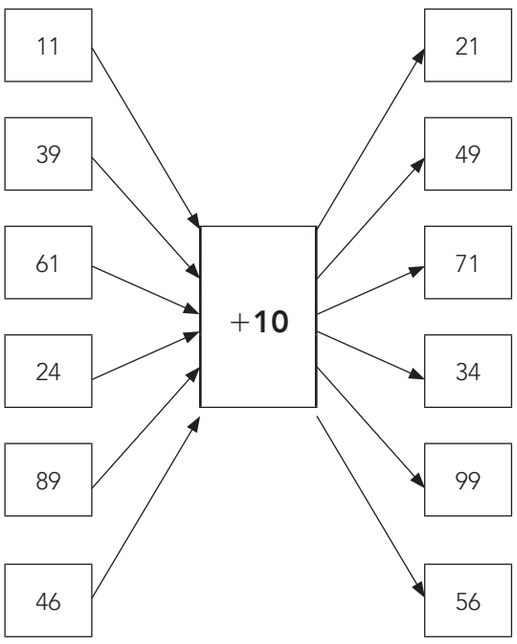


Izithathu



Umsebenzi Wophuculo 1.12

Gqibezela okulandelayo:



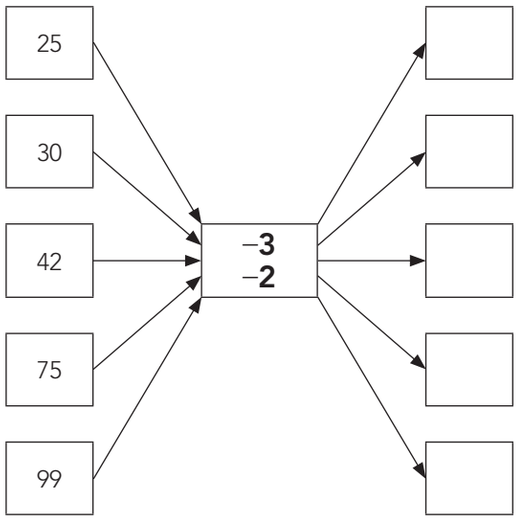
Umsebenzi Wophuculo 1.13

Fakela umbala kumanani amabini athi xa edibene anike inani eliyimpendulo.

9	21	13	+	17	11	19	=	40
41	12	29	+	19	11	38	=	50
14	9	8	+	15	21	22	=	30
13	6	2	+	7	9	12	=	20
10	21	37	+	23	40	33	=	60

Umsebenzi Wophuculo 1.14

Gqibezela okulandelayo:



Umsebenzi Wophuculo 1.15

Fakela umbala kwizangqa:

Fakela umbala obomvu kwisangqa sokuqala.

Fakela umbala omzuba kwisangqa sokugqibela.

Fakela umbala oluhlaza kwisangqa sesibhozo.

Fakela umbala kwisangqa sesithoba

Fakela umbala opinki kwisangqa sesithandathu.

Fakela umbala omnyama kwisangqa sesithathu.

Fakela umbala o-orenji kwisangqa sesibini.

Umsebenzi Wophuculo 1.16

Ungazisombulula ezi ngxaki?

1. Umama unama R48. Uthenge iqebengwana ngama R45 kunye nelekese nge R1. Yimalini eshiyekileyo?

2. UThandi une 80c. Usebenzisa i 25c kwilekese kunye ne 18c kwisiselo. Ushiyekelwe yimalini?

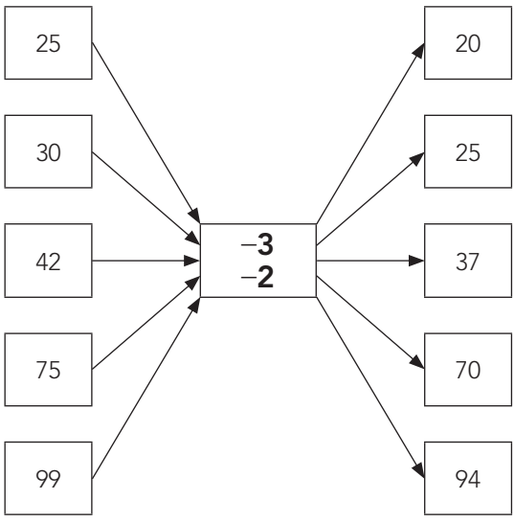
Umsebenzi Wophuculo 1.13

Fakela umbala kumanani amabini athi xa edibene anike inani eliyimpendulo.

9	21	13	+	17	11	19	=	40
41	12	29	+	19	11	38	=	50
14	9	8	+	15	21	22	=	30
13	6	2	+	7	9	12	=	20
10	21	37	+	23	40	33	=	60

Umsebenzi Wophuculo 1.14

Gqibezela okulandelayo:



Umsebenzi Wophuculo 1.15

Fakela umbala kwizangqa:

R O Bl P G Y B

Fakela umbala obomvu kwisangqa sokuqala.

Fakela umbala omzuba kwisangqa sokugqibela.

Fakela umbala oluhlaza kwisangqa sesibhozo.

Fakela umbala kwisangqa sesithoba

Fakela umbala opinki kwisangqa sesithandathu.

Fakela umbala omnyama kwisangqa sesithathu.

Fakela umbala o-orenji kwisangqa sesibini.

Umsebenzi Wophuculo 1.16

Ungazisombulula ezi ngxaki?

1. Umama unama R48. Uthenge iqebengwana ngama R45 kunye nelekese nge R1. Yimalini eshiyekileyo?

R2

2. UThandi une 80c. Usebenzisa i 25c kwilekese kunye ne 18c kwisiselo. Ushiyekelwe yimalini

37c

Umsebenzi Wophuculo 1.17

Fakela uphawu lokukorekisha (✓) ukuba impendulo ifanelekile.

Fakela uphawu (✗) ukuba impendulo ayifanelekanga.

Xa uphinda ama 40 kabini zilingana nama 80	
Ihafu ye 120 ngama 70	
Xa uphinda ama 90 kabini li 180	
Ihafu yama 200 li 100	
Ihafu ye 160 ngama 60	
Xa uphinda ama 70 kabini li 140	
Xa uphinda ama 60 kabini li 120	
Ihafu ye 140 ngama 80	

Umsebenzi Wophuculo 1.18

Jonga ezi pateni.

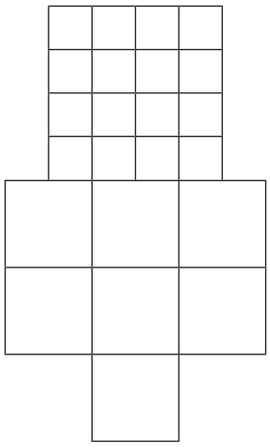
Fakela uphawu lokukorekisha (✓) ukuba impendulo ifanelekile.

Fakela uphawu (✗) ukuba impendulo ayifanelekanga.

13*15*17*19*21*23*25*27	
82*84*86*90*92*94*96	
110*120*130*130*140*160*170	
85*90*95*100*125*130*135	
11*12*13*17*18*19*20*21	

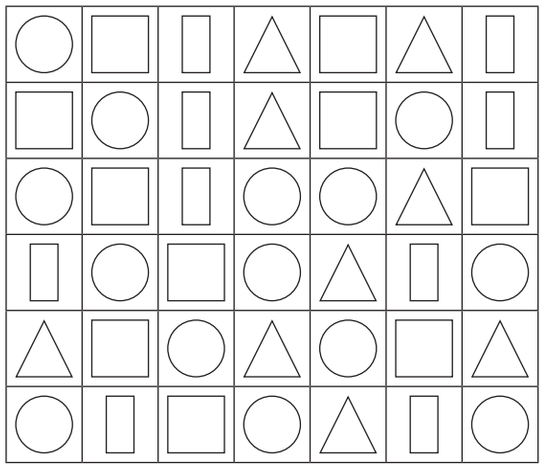
Umsebenzi Wophuculo 1.19

Zingaphi izikwere ongazibala?



Umsebenzi Wophuculo 1.20

Fumana ezi milo.



Zingaphi?

oonxantathu?_____ ezibuxande?____

izangqa?_____ izikwere?__

Umsebenzi Wophuculo 1.17

Fakela uphawu lokukorekisha (✓) ukuba impendulo ifanelekile.

Fakela uphawu (✗) ukuba impendulo ayifanelekanga.

Xa uphinda ama 40 kabini zilingana nama 80	✓
Ihafu ye 120 ngama 70	✗
Xa uphinda ama 90 kabini li 180	✓
Ihafu yama 200 li 100	✓
Ihafu ye 160 ngama 60	✗
Xa uphinda ama 70 kabini li 140	✓
Xa uphinda ama 60 kabini li 120	✓
Ihafu ye 140 ngama 80	✗

Umsebenzi Wophuculo 1.18

Jonga ezi pateni.

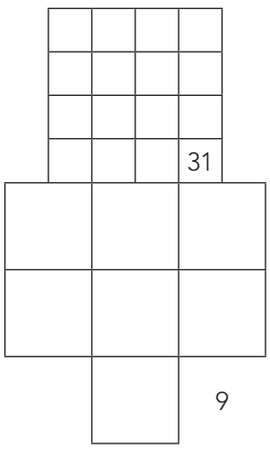
Fakela uphawu lokukorekisha (✓) ukuba impendulo ifanelekile.

Fakela uphawu (✗) ukuba impendulo ayifanelekanga.

13*15*17*19*21*23*25*27	✓
82*84*86*90*92*94*96	✗
110*120*130*130*140*160*170	✗
85*90*95*100*125*130*135	✗
11*12*13*17*18*19*20*21	✗

Umsebenzi Wophuculo 1.19

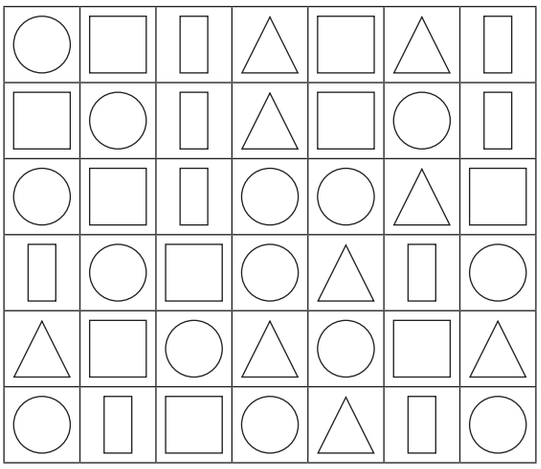
Zingaphi izikwere ongazibala?



izikwere di le 38

Umsebenzi Wophuculo 1.20

Fumana ezi milo.



Zingaphi?

oonxantathu? 9

ezibuxande? 9

izangqa? 14

izikwere? 10

Umsebenzi Wophuculo 1.21

Gqibezela okulandelayo:

Okungaphezulu nge 10 kune 18 ngu _____

Okungaphantsi ngesi 7 kuna 20 ngu _____

Okungaphantsi nge 12 kune 19 ngu _____

Okungaphezulu ngama 24 kune 16 ngu _____

Okungaphezulu ngama 31 kune 17 ngu _____

Okungaphezulu nge 18 kune 15 ngu _____

Okungaphezulu 15 kune 18 ngu _____

Okungaphantsi nge 12 kuno 20 ngu _____

Okungaphezulu ngama 41 kune13 ngu _____

Umsebenzi Wophuculo 1.22

Gqibezela okulandelayo:

Phinda kabini u 4 udibanise no 30 ngu _____

Phinda u 6 kabini udibanise no 21 ngu _____

Phinda u 5 kabini udibanise no15 ngu _____

Phinda u 7 kabini udibanise no 33 ngu _____

Phinda kabini u 9 udibanise no 21 ngu _____

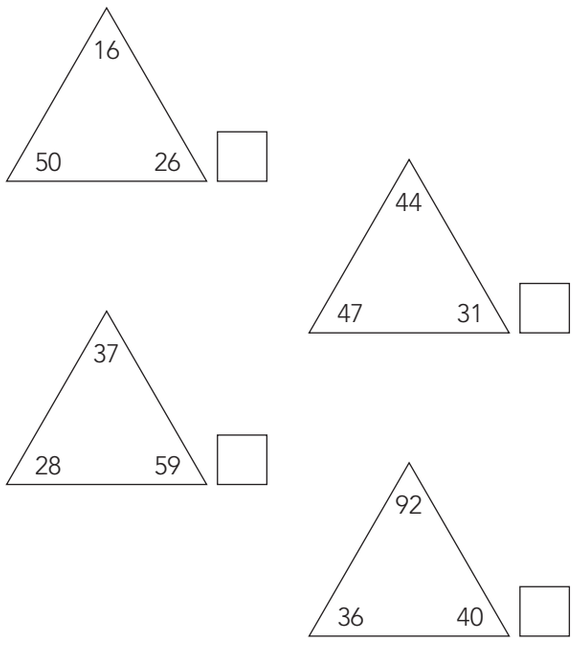
Umsebenzi Wophuculo 1.23

Gqibezela le pateni:

59	64	69						
74	77	80						
69	65	61						
200	190							

Umsebenzi Wophuculo 1.24

Lithini ixabiso likanxantathu ngamnye? Bhala impendulo kwisikwere.



Umsebenzi Wophuculo 1.21

Gqibezela okulandelayo:

Okungaphezulu nge 10 kune 18 ngu 28

Okungaphantsi ngesi 7 kuna 20 ngu 13

Okungaphantsi nge 12 kune 19 ngu 7

Okungaphezulu ngama 24 kune 16 ngu 40

Okungaphezulu ngama 31 kune 17 ngu 48

Okungaphezulu nge 18 kune 15 ngu 33

Okungaphezulu 15 kune 18 ngu 33

Okungaphantsi nge 12 kuno 20 ngu 8

Okungaphezulu ngama 41 kune13 ngu 54

Umsebenzi Wophuculo 1.22

Gqibezela okulandelayo:

Phinda kabini u 4 udibanise no 30 ngu 38

Phinda u 6 kabini udibanise no 21 ngu 33

Phinda u 5 kabini udibanise no15 ngu 25

Phinda u 7 kabini udibanise no 33 ngu 47

Phinda kabini u 9 udibanise no 21 ngu 39

Umsebenzi Wophuculo 1.23

Gqibezela le pateni.

59	64	69	74	79	84	89	94	99

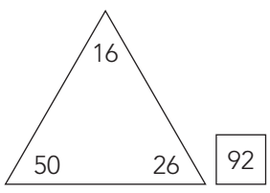
74	77	80	83	86	89	92	95	98

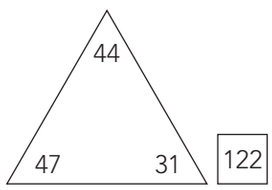
69	65	61	57	53	49	45	41	37

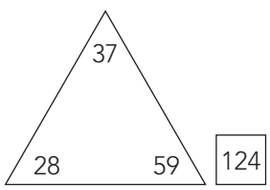
200	190	180	170	160	150	140	130	120

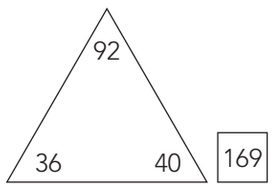
Umsebenzi Wophuculo 1.24

Lithini ixabiso likanxantathu ngamnye? Bhala impendulo kwisikwere.









Umsebenzi Wophuculo 1.25

Bhala impendulo ngamanani.

Amashumi amathandathu ananye uwadibanise neshumi elinesithathu zilingana _____

Amashumi amane anesibhozo adityaniswe namashumi amabini ananye alingana _____

Amashumi amathathu anantathu adityaniswe neshumi elinesithathu zilingana _____

Amashumi amathandathu uthabathe ishumi elinesihlanu zilingana _____

Ikhulu elinye uthabathe ishumi elinesihlanu zilingana _____

Amashumi amabini anethoba udibanise namashumi amane ananye zilingana _____

Umsebenzi Wophuculo 1.26

Ndingubani?

Ndilusuku olungaphambi koMvulo.
_____

Ndilusuku oluphakathi kolwesihlanu neCawa.
_____

Ndilusuku lokuqala kwimpelaveki.
_____

Ndilusuku lokuqala evekini._____

Ndilusuku olungaphambi koLwesithathu.
_____

Umsebenzi Wophuculo 1.27

Umgca manani.

Sebenzisa amanani asebhokisini ukwenza izibalo.

32 48 16	_____ + _____ = _____
18 37 19	_____ + _____ = _____
6 62 51 5	____ + ____ + ____ = ____

Umsebenzi Wophuculo 1.28

Ndingubani?

Ndiyinyanga eza ngaphambi koNcanzibe.
_____

Ndiyinyanga emva kweyeSilimela. _____

Ndiyinyanga ephakathi kweyeDwarha neyoMnga. _____

Ndiyinyanga yokuqala kwiNtlakohlaza.
_____

Ndiyinyanga yokugqibela yonyaka. _____

Ndiyinyanga yeshumi. _____

Umsebenzi Wophuculo 1.25

Bhala impendulo ngamanani.

Amashumi amathandathu ananye uwadibanise neshumi elinesithathu zilingana 74.

Amashumi amane anesibhozo adityaniswe namashumi amabini ananye alingana 69.

Amashumi amathathu anantathu adityaniswe neshumi elinesithathu zilingana 46.

Amashumi amathandathu uthabathe ishumi elinesihlanu zilingana 45.

Ikhulu elinye uthabathe ishumi elinesihlanu zilingana 85.

Amashumi amabini anethoba udibanise namashumi amane ananye zilingana 70.

Umsebenzi Wophuculo 1.26

Ndingubani?

Ndilusuku olungaphambi koMvulo.

NgeCawa

Ndilusuku oluphakathi kolwesihlanu neCawa.

NgoMgqibelo

Ndilusuku lokuqala kwimpelaveki.

NgoMgqibelo

Ndilusuku lokuqala evekini.

UMvulo

Ndilusuku olungaphambi koLwesithathu.

ULwesibini

Umsebenzi Wophuculo 1.27

Umgca manani.

Sebenzisa amanani asebhokisini ukwenza izibalo.

32 48 16	16 + 32 = 48
18 37 19	18 + 19 = 37
6 62 51 5	51 + 6 + 5 = 62

Umsebenzi Wophuculo 1.28

Ndingubani?

Ndiyinyanga eza ngaphambi koNcanzibe.

UTshazimpunzi

Ndiyinyanga emva kweyeSilimela.

EyeKhala

Ndiyinyanga ephakathi kweyeDwarha neyoMnga.

EyeNkanga

Ndiyinyanga yokuqala kwiNtlakohlaza.

EyoMsintsi

Ndiyinyanga yokugqibela yonyaka.

Sedimonthole

Ndiyinyanga yeshumi.

EyeDwarha

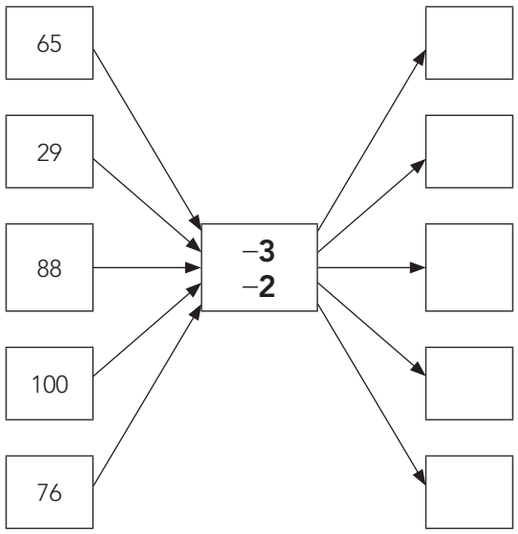
Umsebenzi Wophuculo 1.29

Fakela umbala kumanani amabini athi xa edityanisiwe enze inani eliyimendulo enikiweyo.

46	60	31	+	1	0	32	=	63
8	15	23	+	82	77	29	=	90
4	48	22	+	43	11	12	=	59
31	26	29	+	16	8	92	=	47
40	60	20	+	44	11	51	=	71

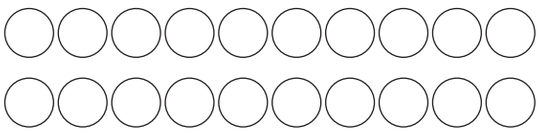
Umsebenzi Wophuculo 1.30

Gqibezela okulandelayo:



Umsebenzi Wophuculo 1.31

Fakela umbala kwizangqa:



Fakela umbala obomvu kwisangqa sokuqala.

Fakela umbala omzuba kwisangqa sokugqibela.

Fakela umbala oluhlaza kwisangqa seshumi elinesibhozo.

Fakela umbala omthubi kwisangqa seshumi elinethoba.

Fakela umbala opinki kwisangqa seshumi elinesithandathu.

Fakela umbala omnyama kwisangqa sesithathu.

Fakela umbala o orenji kwisangqa.

Fakela umbala omdaka kwisangqa seshumielinanye.

Umsebenzi Wophuculo 1.32

Ungazisombulula ezi ngxaki?

1. Umama unama R58. Uthenge iqebengwana ngama R45 kunye nelekese nge R12. Yimalini eshiyekileyo?

2. Umama unama R58. Uthenge iqebengwana ngama R45 kunye nelekese nge R12. Yimalini eshiyekileyo?

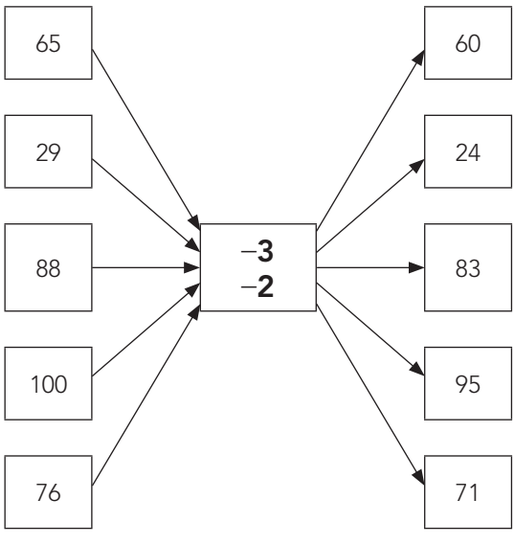
Umsebenzi Wophuculo 1.29

Fakela umbala kumanani amabini athi xa edityanisiwe enze inani eliyimendulo enikiweyo.

46	60	31	+	1	0	32	=	63
8	15	23	+	82	77	29	=	90
4	48	22	+	43	11	12	=	59
31	26	29	+	16	8	92	=	47
40	60	20	+	44	11	51	=	71

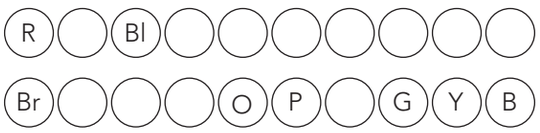
Umsebenzi Wophuculo 1.30

Gqibezela okulandelayo:



Umsebenzi Wophuculo 1.31

Fakela umbala kwizangqa:



Fakela umbala obomvu kwisangqa sokuqala.

Fakela umbala omzuba kwisangqa sokugqibela.

Fakela umbala oluhlaza kwisangqa seshumi elinesibhozo.

Fakela umbala omthubi kwisangqa seshumi elinethoba.

Fakela umbala opinki kwisangqa seshumi elinesithandathu.

Fakela umbala omnyama kwisangqa sesithathu.

Fakela umbala o orenji kwisangqa.

Fakela umbala omdaka kwisangqa seshumielinanye.

Umsebenzi Wophuculo 1.32

Ungazisombulula ezi ngxaki?

1. Umama unama R58. Uthenge iqebengwana ngama R45 kunye nelekese nge R12. Yimalini eshiyekileyo?

R1

2. Umama unama R58. Uthenge iqebengwana ngama R45 kunye nelekese nge R12. Yimalini eshiyekileyo?

37c