

GRADE 3

TERM 3 2018

MATHEMATICS
ENGLISH / ISIXHOSA

RESOURCE PACK

PRINTABLE RESOURCES

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. 501–600 Number grid (Lesson 1)
2. 601–700 Number grid (Lesson 4)
3. 10–1 000 Number grid (Lesson 16)
4. Fraction strips (Lesson 30)
5. Fraction circles (Lesson 30)
6. Roll or slide worksheet (Lesson 40)
7. Multiplication table grid (see DBE Workbook) (several lessons)

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. 501–600 Number board (Lesson 1)

501	502	503	504	505	506	507	508	509	500
511	512	513	514	515	516	517	518	519	510
521	522	523	524	525	526	527	528	529	530
531	532	533	534	535	536	537	538	539	540
541	542	543	544	545	546	547	548	549	550
551	552	553	554	555	556	557	558	559	560
561	562	563	564	565	566	567	568	569	570
571	572	573	574	575	576	577	578	579	580
581	582	583	584	585	586	587	588	589	590
591	592	593	594	595	596	597	598	599	600

2. 601–700 Number grid (Lesson 4)

601	602	603	604	605	606	607	608	609	610
611	612	613	614	615	616	617	618	619	620
621	622	623	624	625	626	627	628	629	630
631	632	633	634	635	636	637	638	639	640
641	642	643	644	645	646	647	648	649	650
651	652	653	654	655	656	657	658	659	660
661	662	663	664	665	666	667	668	669	670
671	672	673	674	675	676	677	678	679	680
681	682	683	684	685	686	687	688	689	690
691	692	693	694	695	696	697	698	699	700

3. 10–1 000 (Lesson 16)

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

4. Fraction strips (Lesson 30)

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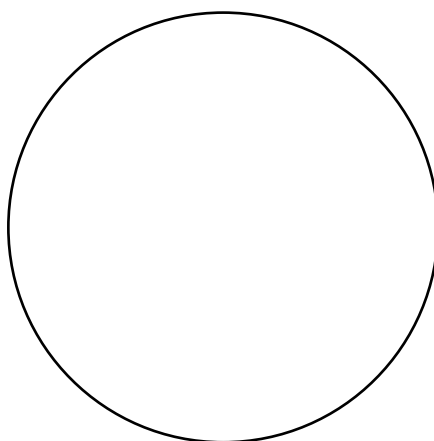
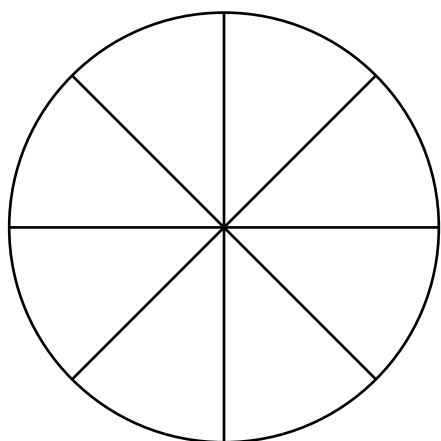
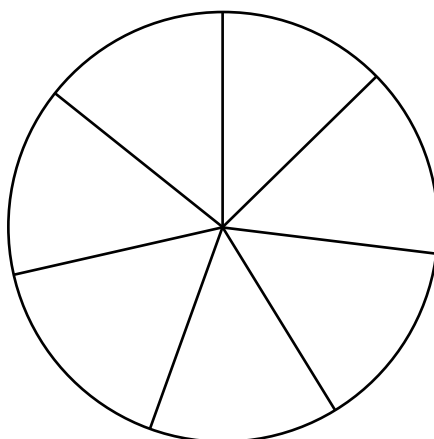
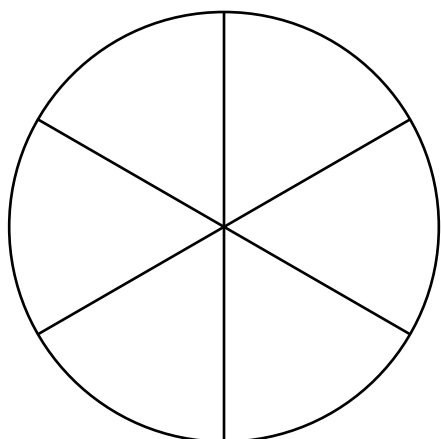
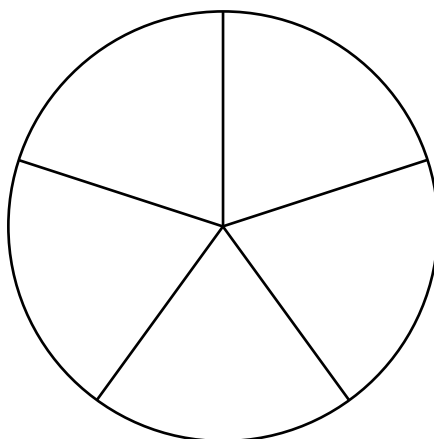
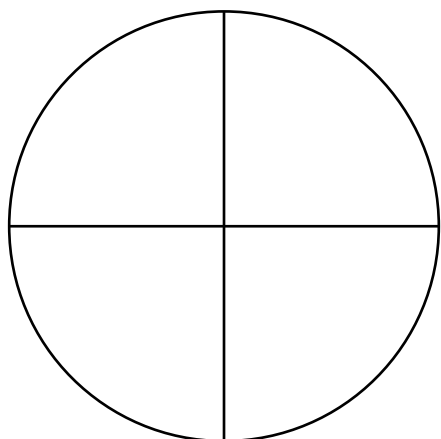
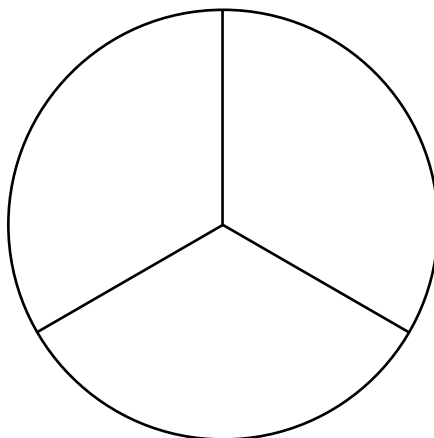
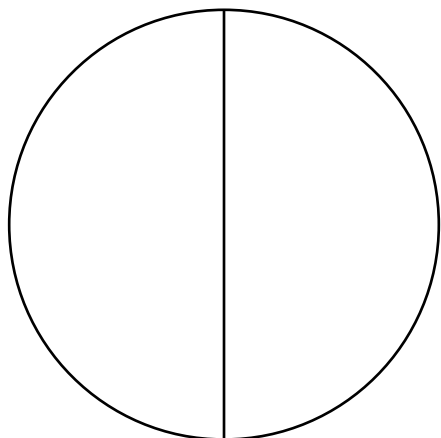
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5. Fraction circles (Lesson 28, 31)



6. Roll or slide worksheet (Lesson 40)

	Draw	Roll?	Slide?
Cube			
Cone			
Prism			
Cylinder			
Pyramid			
Sphere			

	Draw	Roll?	Slide?
Cube			
Cone			
Prism			
Cylinder			
Pyramid			
Sphere			

6. Iphepha lokusebenzela ukuqengqeleka okanye ukutshebeleza (Isifundo 40)

	Zoba	Qengqeleka?	Tshebeleza?
iTyhubhu			
iKhowuni			
iPrizim			
iSilinda			
iPhiramidi			
Sphere			

	Zoba	Qengqeleka?	Tshebeleza?
iTyhubhu			
iKhowuni			
iPrizim			
iSilinda			
iPhiramidi			
Sphere			

Mental Mathematics Challenge Cards: Bilingual Version - English / isiXhosa

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

Ikhadi Lezibalo zomceli-mngeni 1

1. $22 + 2 =$
2. $24 + 2 =$
3. $23 + 3 =$
4. $21 + 6 =$
5. $22 + 8 =$
6. $25 + 4 =$
7. $24 + 4 =$
8. $23 + 6 =$
9. $29 + 1 =$
10. $30 + 0 =$

Maths Challenge Card 2

Ikhadi Lezibalo zomceli-mngeni 2

1. $32 + 20 = \underline{\quad}$
2. $65 + 30 = \underline{\quad}$
3. $58 + 40 = \underline{\quad}$
4. $38 + 50 = \underline{\quad}$
5. $21 + 60 = \underline{\quad}$
6. $74 + 20 = \underline{\quad}$
7. $15 + 30 = \underline{\quad}$
8. $46 + 40 = \underline{\quad}$
9. $63 + 30 = \underline{\quad}$
10. $58 + 40 = \underline{\quad}$

Maths Challenge Card 3

Ikhadi Lezibalo zomceli-mngeni 3

1. $32 - 20 = \underline{\quad}$
2. $65 - 30 = \underline{\quad}$
3. $58 - 40 = \underline{\quad}$
4. $88 - 50 = \underline{\quad}$
5. $71 - 40 = \underline{\quad}$
6. $74 - 20 = \underline{\quad}$
7. $61 - 30 = \underline{\quad}$
8. $46 - 40 = \underline{\quad}$
9. $63 - 30 = \underline{\quad}$
10. $58 - 40 = \underline{\quad}$

Maths Challenge Card 4

Ikhadi Lezibalo zomceli-mngeni 4

1. $2 + 22 = \underline{\quad}$
2. $2 + 32 = \underline{\quad}$
3. $2 + 42 = \underline{\quad}$
4. $2 + 52 = \underline{\quad}$
5. $2 + 62 = \underline{\quad}$
6. $2 + 72 = \underline{\quad}$
7. $2 + 82 = \underline{\quad}$
8. $2 + 92 = \underline{\quad}$
9. $2 + 102 = \underline{\quad}$
10. $2 + 112 = \underline{\quad}$

Maths Challenge Card 1: Answers

Addition number range 0–30

**Ikhadi Lezibalo zomceli-mngeni 1:
limpendulo**

Udibanisa amanani ukusuka 0–30

1. 24
2. 26
3. 26
4. 27
5. 30
6. 29
7. 28
8. 29
9. 30
10. 30

Maths Challenge Card 2: Answers

Adding multiples of 10

**Ikhadi Lezibalo zomceli-mngeni 2:
limpendulo**

Ukudibanisa oonoshumi nge-10

1. 52
2. 95
3. 98
4. 88
5. 81
6. 94
7. 45
8. 86
9. 93
10. 98

Maths Challenge Card 3: Answers

Subtracting multiples of 10

**Ikhadi Lezibalo zomceli-mngeni 3:
limpendulo**

Ukuthabatha koonoshumi nge-10

1. 12
2. 35
3. 18
4. 38
5. 31
6. 54
7. 31
8. 6
9. 33
10. 18

Maths Challenge Card 4: Answers

Put the larger number first to add

**Ikhadi Lezibalo zomceli-mngeni 4:
limpendulo**

Beka inani elikhulu kuqala ze udibanise

1. 24
2. 34
3. 44
4. 54
5. 64
6. 74
7. 84
8. 94
9. 104
10. 114

Maths Challenge Card 5

Ikhadi Lezibalo zomceli-mngeni 5

1. $\underline{\quad} - 1 = 12$
2. $\underline{\quad} - 2 = 14$
3. $\underline{\quad} - 2 = 16$
4. $\underline{\quad} - 2 = 18$
5. $\underline{\quad} - 2 = 20$
6. $\underline{\quad} - 6 = 9$
7. $\underline{\quad} - 3 = 9$
8. $\underline{\quad} - 5 = 9$
9. $\underline{\quad} - 2 = 9$
10. $\underline{\quad} - 4 = 9$

Maths Challenge Card 6

Ikhadi Lezibalo zomceli-mngeni 6

1. $25 + 32 = \underline{\quad}$
2. $35 + 32 = \underline{\quad}$
3. $28 + 32 = \underline{\quad}$
4. $71 + 28 = \underline{\quad}$
5. $45 + 35 = \underline{\quad}$
6. $52 + 37 = \underline{\quad}$
7. $67 + 21 = \underline{\quad}$
8. $37 + 62 = \underline{\quad}$
9. $84 + 16 = \underline{\quad}$
10. $84 + 17 = \underline{\quad}$

Maths Challenge Card 7

Ikhadi Lezibalo zomceli-mngeni 7

1. $20 + 20 = \underline{\quad}$
2. $20 + 21 = \underline{\quad}$
3. $20 + 19 = \underline{\quad}$
4. $40 - 20 = \underline{\quad}$
5. $40 - 19 = \underline{\quad}$
6. $40 - 21 = \underline{\quad}$
7. $30 + 31 = \underline{\quad}$
8. $30 + 29 = \underline{\quad}$
9. $60 - 29 = \underline{\quad}$
10. $60 - 31 = \underline{\quad}$

Maths Challenge Card 8

Ikhadi Lezibalo zomceli-mngeni 8

1. $4 \times 10 = \underline{\quad}$
2. $10 \times 4 = \underline{\quad}$
3. $40 \div 10 = \underline{\quad}$
4. $40 \div 4 = \underline{\quad}$
5. $5 \times \underline{\quad} = 30$
6. $\underline{\quad} \times 4 = 24$
7. $3 \times \underline{\quad} = 15$
8. $30 \div \underline{\quad} = 10$
9. $\underline{\quad} \div 3 = 10$
10. $4 \times 8 = \underline{\quad}$

Maths Challenge Card 5: Answers

Put the larger number first to count back

Ikhadi Lezibalo zomceli-mngeni 5: limpendulo

Beka inani elikhulu kuqala ze ubale ubuya umva

1. 13
2. 16
3. 18
4. 20
5. 22
6. 15
7. 12
8. 14
9. 11
10. 13

Maths Challenge Card 6: Answers

Building up and breaking down strategies

Ikhadi Lezibalo zomceli-mngeni 6: limpendulo

Ukwakha nokuqhekeza amacebo

1. 57
2. 67
3. 60
4. 99
5. 80
6. 89
7. 88
8. 99
9. 100
10. 101

Maths Challenge Card 7: Answers

Doubles and near doubles

Ikhadi Lezibalo zomceli-mngeni 7: limpendulo

Ukuphinda kabini kunye nokusondeleyo ekuphinda -phindeneni

1. 40
2. 41
3. 39
4. 20
5. 21
6. 19
7. 61
8. 59
9. 31
10. 29

Maths Challenge Card 8: Answers

Use the relationship between multiplication and division

Ikhadi Lezibalo zomceli-mngeni 8: limpendulo

Sebenzisa ubudlelwane bokuphindaphinda nokwahlukanisa

1. 40
2. 40
3. 4
4. 10
5. 6
6. 6
7. 5
8. 3
9. 30
10. 32

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 laminated cardboard 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 3.1

Who am I?

If you multiply me by 5, and add 3, you get 28.

When you divide me by 2, you get 5 with a remainder of 1.

Enrichment Activity 3.2

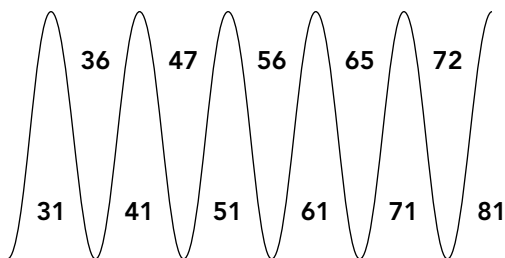
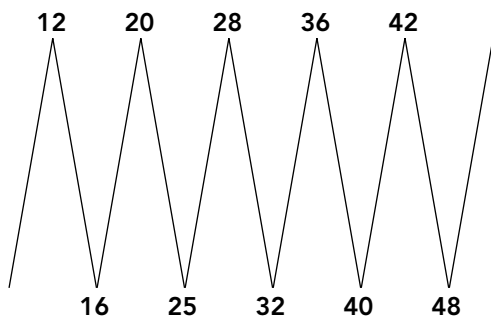
Who has the most money?

- Sarah has: two 20c coins, one R1 coin and five 5c coins.
- Peter has: ten 10c coins, two 50c coins and six 20c coins.
- Siphwe has: two R1 coins and six 5c coins.

_____ has the most money.

Enrichment Activity 3.3

Spot the mistake



Enrichment Activity 3.4

Find the numbers

Find and colour all the pairs of blocks where two numbers that are next to, or underneath one another, will give you 60.

11	49	23	10
12	20	40	50
33	18	15	33
27	60	45	19
30	30	18	41

Enrichment Activity 3.1: Answers

Who am I?

If you multiply me by 5, and add 3, you get 28.

5

When you divide me by 2, you get 5 with a remainder of 1.

11

Enrichment Activity 3.2: Answers

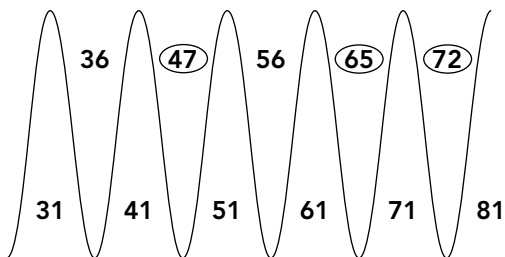
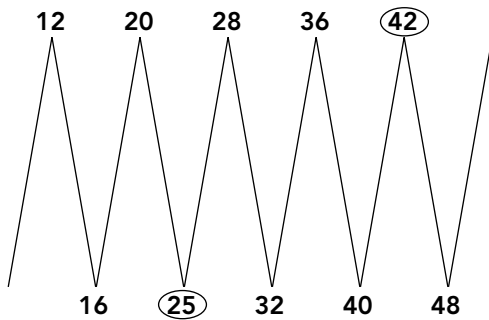
Who has the most money?

- Sarah has: two 20c coins, one R1 coin and five 5c coins.
- Peter has: ten 10c coins, two 50c coins and six 20c coins.
- Sphiwe has: two R1 coins and six 5c coins.

Peter has the most money.

Enrichment Activity 3.3: Answers

Spot the mistake



Enrichment Activity 3.4: Answers

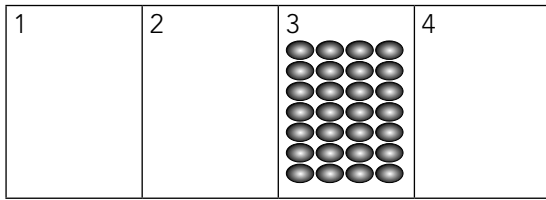
Find the numbers

Find and colour all the pairs of blocks where two numbers that are next to, or underneath one another, will give you 60.

11	49	23	10
12	20	40	50
33	18	15	33
27	60	45	19
30	30	18	41

Enrichment Activity 3.5

Brain teaser



Box 3 has 28 eggs in it.

Box 1 has half of that.

Box 4 has twice as many as box 1.

Box 2 has half of the amount of eggs than box 4.

How many eggs are there in box 1 and 2 altogether?

Enrichment Activity 3.6

Secret message

a	d	e	h	l	y	m	o	u	v	s	t
34	35	36	44	46	54	55	56	60	61	62	70

1. $17 + 18 = \underline{\quad}$
2. $51 + 5 = \underline{\quad}$
3. $21 + 33 = \underline{\quad}$
4. $12 + 44 = \underline{\quad}$
5. $30 + 30 = \underline{\quad}$
6. $11 + 35 = \underline{\quad}$
7. $41 + 15 = \underline{\quad}$
8. $19 + 42 = \underline{\quad}$
9. $18 + 18 = \underline{\quad}$
10. $10 + 45 = \underline{\quad}$
11. $17 + 17 = \underline{\quad}$
12. $70 + 0 = \underline{\quad}$
13. $12 + 32 = \underline{\quad}$
14. $13 + 48 = \underline{\quad}$

The answers, decoded in order, spell:

_____?

Enrichment Activity 3.7

Egyptian numerals 354 look like this:



What would these numbers look like:

121 _____

322 _____

Enrichment Activity 3.8

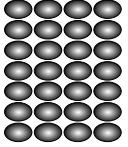
Find the numbers

Find and colour all the pairs of blocks where two numbers that are next to, or underneath one another, will give you 60.

15	60	0	36
3	1	51	23
0	44	16	37
25	35	29	12
17	50	11	19

Enrichment Activity 3.5: Answers

Brain teaser

1	2	3	4
			
14	14		28

Box 3 has 28 eggs in it.

Box 1 has half of that.

Box 4 has twice as many as box 1.

Box 2 has half of the amount of eggs than box 4.

How many eggs are there in box 1 and 2 altogether?

28

Enrichment Activity 3.6: Answers

Secret message

a	d	e	h	l	y	m	o	u	v	s	t
34	35	36	44	46	54	55	56	60	61	62	70

- $17 + 18 = \mathbf{35}$
- $51 + 5 = \mathbf{56}$
- $21 + 33 = \mathbf{54}$
- $12 + 44 = \mathbf{56}$
- $30 + 30 = \mathbf{60}$
- $11 + 35 = \mathbf{46}$
- $41 + 15 = \mathbf{56}$
- $19 + 42 = \mathbf{61}$
- $18 + 18 = \mathbf{36}$
- $10 + 45 = \mathbf{55}$
- $17 + 17 = \mathbf{34}$
- $70 + 0 = \mathbf{70}$
- $12 + 32 = \mathbf{44}$
- $13 + 48 = \mathbf{62}$

The answers, decoded in order, spell:

Do you love maths?

Enrichment Activity 3.7: Answers

Egyptian numerals 354 look like this:



What would these numbers look like:

121 

322 

Enrichment Activity 3.8: Answers

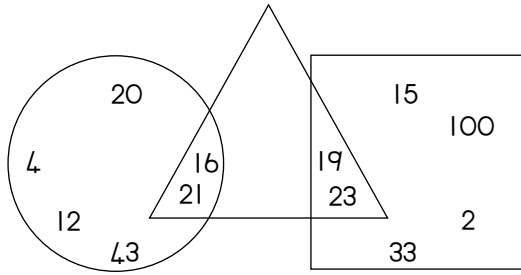
Find the numbers

Find and colour all the pairs of blocks where two numbers that are next to, or underneath one another, will give you 60.

15	60	0	36
3	1	51	23
0	44	16	37
25	35	29	12
17	50	11	19

Enrichment Activity 3.9

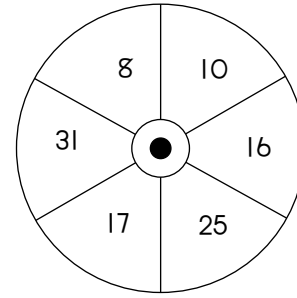
What is my number?



1. This number is in the circle.
It is half of 24. _____
2. This number is in the square.
If you double it, it becomes 30. _____
3. This number is in the triangle.
It is an odd number and is 2 less than 21.

Enrichment Activity 3.10

Playing darts



1. What is the highest score using 3 darts?

2. Ben's score is 49. Which three numbers did he get? _____, _____, _____.
3. Siphon's score is 34. Two darts hit the same number. Which number did he get?

Enrichment Activity 3.11

How many blocks?

A				
B				
C				
D				

How many blocks are there in:

Row A? _____

Row C + D? _____

Half of row B? _____

All the rows together. _____

Enrichment Activity 3.12

Number 24

$$\text{_____} \times 2 = 24$$

$$\text{_____} \times 3 = 24$$

$$\text{_____} \times 4 = 24$$

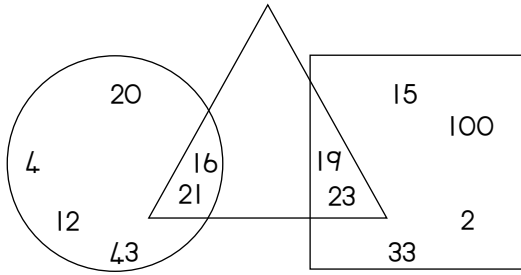
$$\text{_____} \times 6 = 24$$

$$\text{_____} \times 8 = 24$$

$$\text{_____} \times 12 = 24$$

Enrichment Activity 3.9: Answers

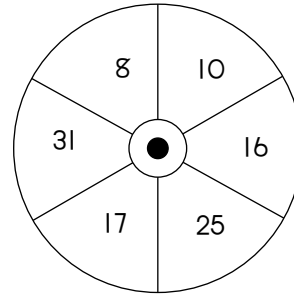
What is my number?



1. This number is in the circle.
It is half of 24. **12**
2. This number is in the square.
If you double it, it becomes 30. **15**
3. This number is in the triangle.
It is an odd number and is 2 less than 21.
19

Enrichment Activity 3.10: Answers

Playing darts



1. What is the highest score using 3 darts?
93
2. Ben's score is 49. Which three numbers did he get? **31, 8, 10.**
3. Sipho's score is 34. Two darts hit the same number. Which number did he get?
17

Enrichment Activity 3.11: Answers

How many blocks?

A				
B				
C				
D				

How many blocks are there in:

- Row A? **4**
- Row C + D? **8**
- Half of row B? **2**
- All the rows together. **16**

Enrichment Activity 3.12: Answers

Number 24

- 12** x 2 = 24
- 8** x 3 = 24
- 6** x 4 = 24
- 4** x 6 = 24
- 3** x 8 = 24
- 2** x 12 = 24

Enrichment Activity 3.13

Sms your mom



Which symbols do you see if you sms your mom this message: **I love you.**

Enrichment Activity 3.14

What is the message if you type these symbols?



- : * ? 2 4 + 9 9 2 3

* 6 (2 3 4 9 : + + "

Enrichment Activity 3.15

Add



Add all the numbers in the first row:

Add all the numbers in the second row:

Add all the numbers in the third row:

Add all three of your answers: _____

Enrichment Activity 3.16

Some more adding



Add all of the numbers in the column starting with 1: _____

Add all of the numbers in the column starting with 2: _____

Add all of the numbers in the column starting with 3: _____

Add all three of your answers:

Enrichment Activity 3.13: Answers

Sms your mom



Which symbols do you see if you sms your mom this message: **I love you.**

- " + ? 2) + _

Enrichment Activity 3.14: Answers

What is the message if you type these symbols?



- : * ? 2 4 + 9 9 2 3

U h a v e s o c c e r

* 6 (2 3 4 9 : + + "

a f t e r s c h o o l

U have soccer after school

Enrichment Activity 3.15: Answers

Add



Add all the numbers in the first row:

6

Add all the numbers in the second row:

15

Add all the numbers in the third row:

24

Add all three of your answers:

45

Enrichment Activity 3.16: Answers

Some more adding



Add all of the numbers in the column starting with 1: **12**

Add all of the numbers in the column starting with 2: **15**

Add all of the numbers in the column starting with 3: **18**

Add all three of your answers:

45

Enrichment Activity 3.17

Ordinal numbers

In the sentence:

The lion and the mouse went for a picnic.

Which is the twentieth letter? _____

In the sentence:

The lion ate the mouse.

Which is the eighth letter? _____

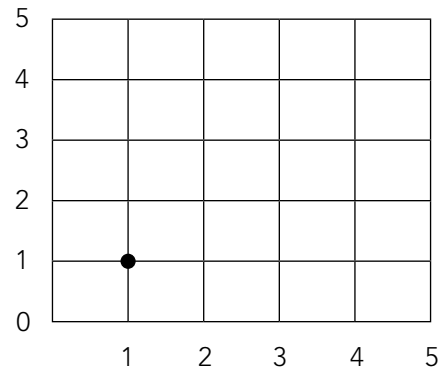
In the sentence:

What a lovely snack I had, little mouse!

Make a word with the tenth, twenty second, seventh and thirteenth letter.

Enrichment Activity 3.18

Connect the dots



Make a dot on 1-1, 3-4, 1-4 and 3-1.

Connect the dots.

What shape do you get?

Enrichment Activity 3.19

What is the number?

3 hundreds

4 tens more than the hundreds

3 less units than tens

2 hundreds

1 ten more than the hundreds

5 units more than the tens

5 hundreds

3 units more than the hundreds

4 tens less than the units

Enrichment Activity 3.20

Where did I come in the race?

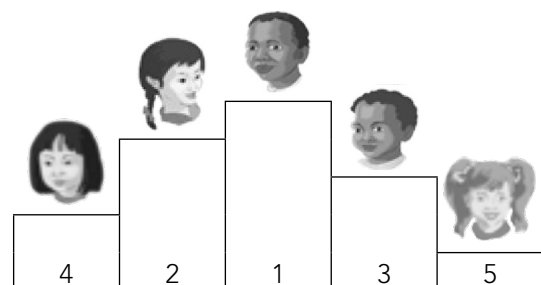
1. Imram came first.

2. Mary came second.

3. John came third.

4. Maryke came fifth.

5. I came _____.



Enrichment Activity 3.17: Answers

Ordinal numbers

In the sentence:

The lion and the mouse went for a picnic.

Which is the twentieth letter? **e**

In the sentence:

The lion ate the mouse.

Which is the eighth letter? **e**

In the sentence:

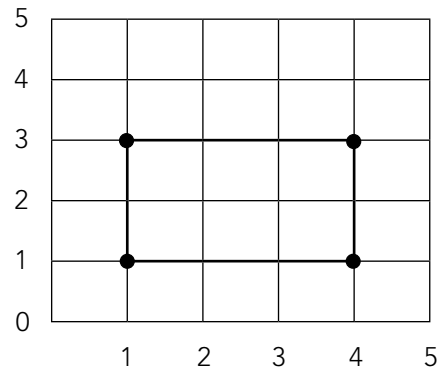
What a lovely snack I had, little mouse!

Make a word with the tenth, twenty second, seventh and thirteenth letter.

l i o n

Enrichment Activity 3.18: Answers

Connect the dots



Make a dot on 1-1, 3-4, 1-4 and 3-1.

Connect the dots.

What shape do you get?

rectangle

Enrichment Activity 3.19: Answers

What is the number?

3 hundreds

4 tens more than the hundreds

3 less units than tens

374

2 hundreds

1 ten more than the hundreds

5 units more than the tens

238

5 hundreds

3 units more than the hundreds

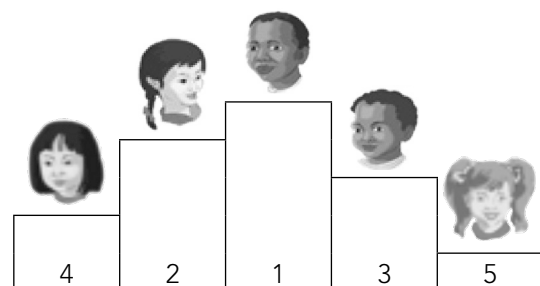
4 tens less than the units

548

Enrichment Activity 3.20: Answers

Where did I come in the race?

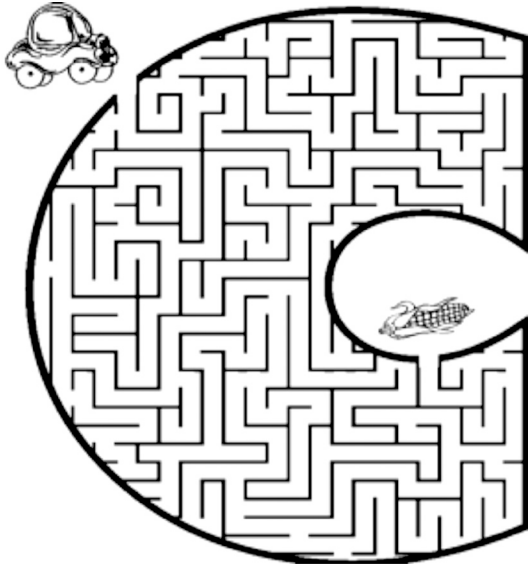
1. Imram came first.
2. Mary came second.
3. John came third.
4. Maryke came fifth.
5. I came **fourth**.



Enrichment Activity 3.21

Find your way

Start at the car and find your way through the maze to get to the mealie. Don't cross over any lines.



Enrichment Activity 3.22

Where is the number name?

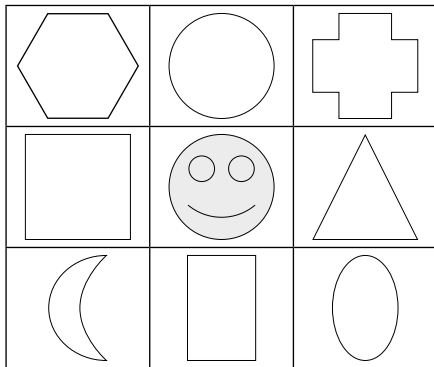
Where is the number name in the letter grid? Colour or circle each word.

h	x	i	b	h	f	s	b	m	j
t	s	v	d	i	g	c	s	d	k
e	v	i	f	y	t	n	e	w	t
v	b	t	x	i	q	r	j	g	h
l	h	r	a	t	d	b	z	p	r
e	f	r	l	n	y	f	m	a	r
w	p	p	u	z	p	v	k	n	e
t	l	h	e	l	e	v	e	n	o

11 5th 100 1
60 12th 25

Enrichment Activity 3.23

Who are my friends?



Draw the shape:

On my left.

Below me.

Above me.

On my right.

Enrichment Activity 3.24

Find the shape words.

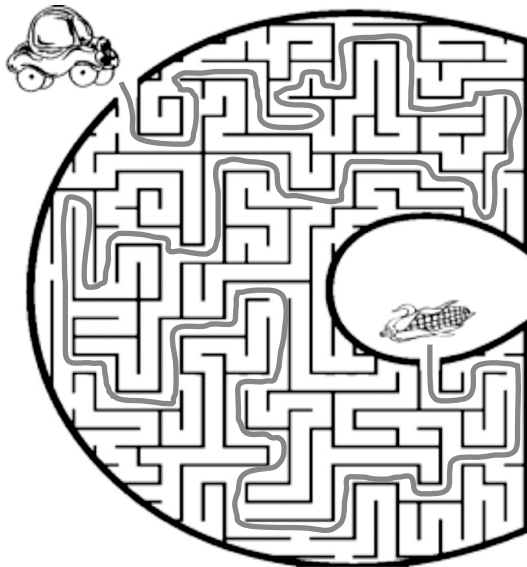
u	k	m	h	v	r	e	v	n	c	r	m	c	d	r
i	h	n	n	w	l	e	l	x	e	u	b	o	i	k
r	v	u	d	c	a	n	d	c	a	z	b	n	m	f
y	w	k	r	o	r	p	t	n	h	q	d	e	a	q
m	u	i	u	k	b	a	h	x	i	h	c	i	r	k
b	c	x	s	d	n	m	b	g	b	l	s	z	y	b
y	f	e	l	g	n	a	i	r	t	w	y	k	p	l
l	j	o	l	z	s	q	u	a	r	e	b	c	g	b
g	y	e	p	e	x	i	r	m	j	x	c	z	b	r
u	f	q	n	u	r	u	m	x	s	b	z	q	d	a

circle, cone, cube, cylinder, pyramid,
rectangle, square, triangle

Enrichment Activity 3.21: Answers

Find your way

Start at the car and find your way through the maze to get to the mealie. Don't cross over any lines.



Enrichment Activity 3.22: Answers

Where is the number name?

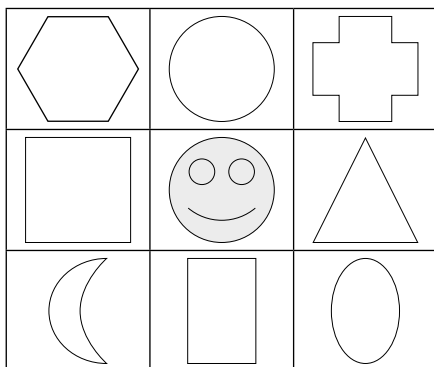
Where is the number name in the letter grid? Colour or circle each word.

h	x	i	b	h	f	s	b	m	j
t	s	v	d	i	g	c	s	d	k
e	v	i	f	y	t	n	e	w	t
v	b	t	x	i	q	r	j	g	h
l	h	r	a	t	d	b	z	p	r
e	f	r	l	n	y	f	m	a	r
w	p	p	u	z	p	v	k	n	e
t	l	h	e	l	e	v	e	n	o





11 5th 100 1
60 12th 25

Enrichment Activity 3.23: Answers

Who are my friends?



Draw the shape:

- On my left. 
- Below me. 
- Above me. 
- On my right. 

Enrichment Activity 3.24: Answers

Find the shape words.

u	k	m	h	v	r	e	v	n	c	r	m	c	d	r
i	h	n	n	w	l	e	l	x	e	u	b	o	i	k
r	v	u	d	c	a	n	d	c	a	z	b	n	m	f
y	w	k	r	o	r	p	t	n	h	q	d	e	a	q
m	u	i	u	k	b	a	h	x	i	h	c	i	r	k
b	c	x	s	d	n	m	b	g	b	l	s	z	y	b
y	f	e	l	g	n	a	i	r	t	w	y	k	p	l
l	j	o	l	z	s	q	u	a	r	e	b	c	g	b
g	y	e	p	e	x	i	r	m	j	x	c	z	b	r
u	f	q	n	u	r	u	m	x	s	b	z	q	d	a

circle, cone, cube, cylinder, pyramid,
rectangle, square, triangle

Enrichment Activity 3.25

Complete the Sudoku

Each quarter must have the numbers 1, 2, 3, and 4.






4		1	
1		2	4
	4		1
	1		2

Enrichment Activity 3.26

Money






Order the coins from the coins with the most value to the least value.

Only write the numbers.

1. 	2. 	3. 	4. 	5. 

Order coins from the coins with the least value to the most value.

Only write the numbers.

1. 	2. 	3. 	4. 	5. 

Enrichment Activity 3.27

What can I buy?

The following things are on sale:

T-shirt	R5,00
Cap	R15,00
Socks	R3,00
Shoes	R20,00
Skirt	R10,00
Pants	R10,00

I have R50, 00. What can I buy?

Enrichment Activity 3.28

Complete the Sudoku

1	2		
		2	1
2	4		
		4	2

Enrichment Activity 3.25: Answers

Complete the Sudoku

Each quarter must have the numbers 1, 2, 3, and 4.

4	2	1	3
1	3	2	4
2	4	3	1
3	1	4	2

Enrichment Activity 3.26: Answers

Money

Order the coins from the coins with the most value to the least value.

Only write the numbers.

1. 	2. 	3. 	4. 	5. 
3	4	1	5	2

Order coins from the coins with the least value to the most value.

Only write the numbers.

1. 	2. 	3. 	4. 	5. 
3	2	5	1	4

Enrichment Activity 3.27: Answers

What can I buy?

The following things are on sale:

T-shirt	R5,00
Cap	R15,00
Socks	R3,00
Shoes	R20,00
Skirt	R10,00
Pants	R10,00

I have R50,00. What can I buy?

Example:

I can buy a cap, 2 pairs of socks, a t-shirt and a pair of shoes (total R46,00).

Enrichment Activity 3.28: Answers

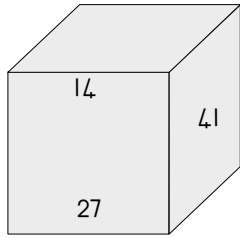
Complete the Sudoku

1	2	3	4
4	3	2	1
2	4	1	3
3	1	4	2

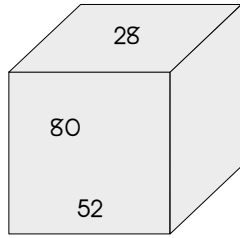
Enrichment Activity 3.29

Jumbled sums

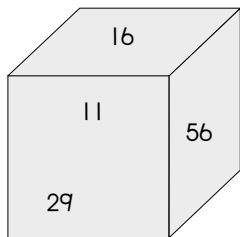
Use the numbers in the boxes to make a sum.



$$\square + \square = \square$$



$$\square + \square = \square$$

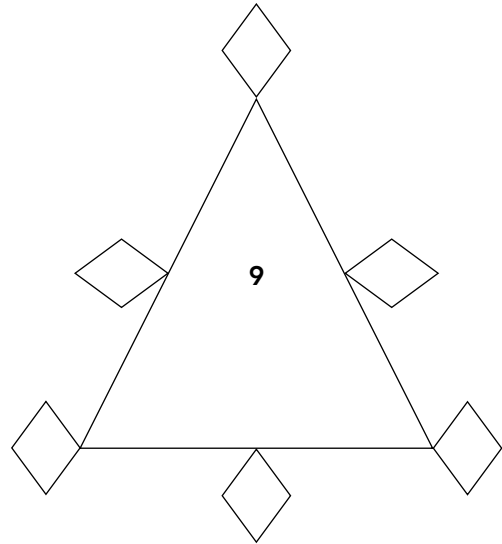


$$\square + \square + \square = \square$$

Enrichment Activity 3.30

Six numbers

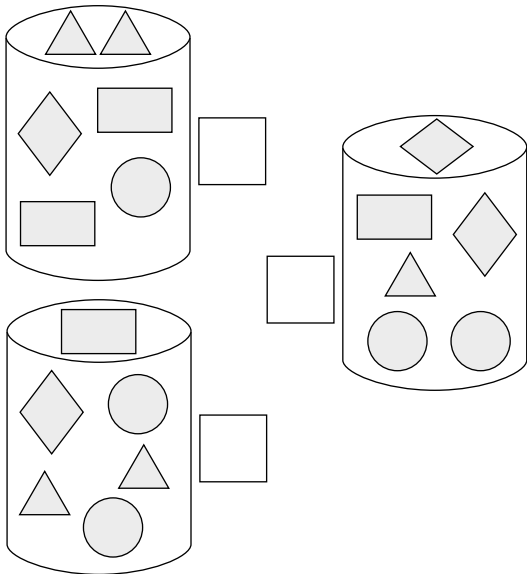
Place the numbers 1–6 in the diamonds so that each side of the triangle adds to the total inside the triangle.



Enrichment Activity 3.31

Value

What is the value of each cylinder if a rectangle is 6, a circle is 8, a triangle is 2 and a diamond is 10? Write the answer in the box.



Enrichment Activity 3.32

Colour to show the answer

Colour the numbers that will add up to the first number in the block.

37	3	15	2	9	7	8	1
----	---	----	---	---	---	---	---

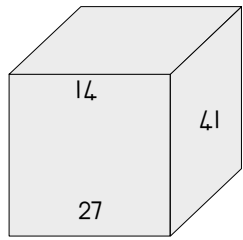
53	18	6	10	14	3	5	2
----	----	---	----	----	---	---	---

41	11	9	7	3	10	5	1
----	----	---	---	---	----	---	---

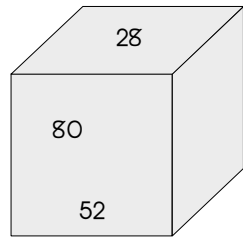
Enrichment Activity 3.29: Answers

Jumbled sums

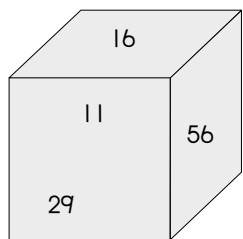
Use the numbers in the boxes to make a sum.



$$\boxed{27} + \boxed{14} = \boxed{41}$$



$$\boxed{52} + \boxed{28} = \boxed{80}$$

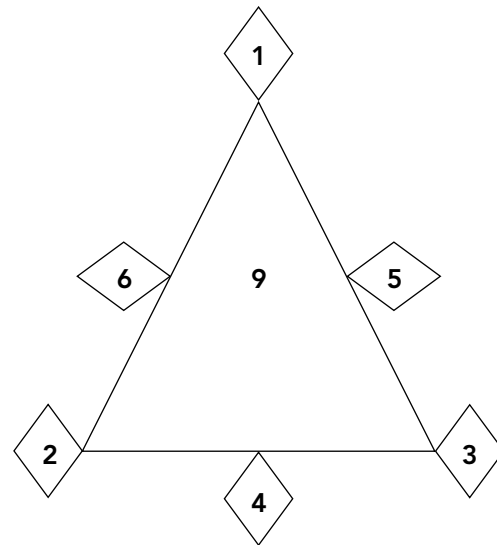


$$\boxed{16} + \boxed{29} + \boxed{11} = \boxed{56}$$

Enrichment Activity 3.30: Answers

Six numbers

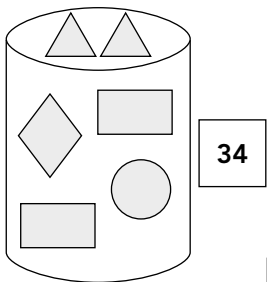
Place the numbers 1–6 in the diamonds so that each side of the triangle adds to the total inside the triangle.



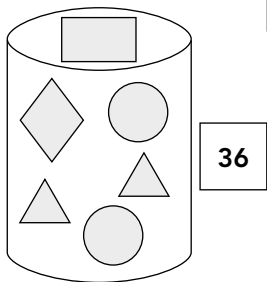
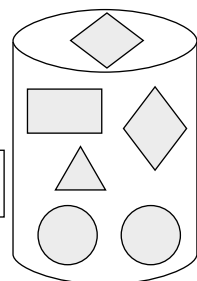
Enrichment Activity 3.31: Answers

Value

What is the value of each cylinder if a rectangle is 6, a circle is 8, a triangle is 2 and a diamond is 10? Write the answer in the box.



44



36

Enrichment Activity 3.32: Answers

Colour to show the answer

Colour the numbers that will add up to the first number in the block.

37	3	15	2	9	7	8	1
----	---	----	---	---	---	---	---

53	18	6	10	14	3	5	2
----	----	---	----	----	---	---	---

41	11	9	7	3	10	5	1
----	----	---	---	---	----	---	---

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 laminated cardboard 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 Wokubakhulisa 3.1

Ngingubani mina?

Ukuba undiphinda-phinda ngesihlanu, uphinde undidibanise ngo 3, ufumana ama 28.

Xa undahlulahlula, undahlula ka 2, ufumana-u 5 kunye nentsale la engu 1.

Imisebenzi yophuculo 3.2

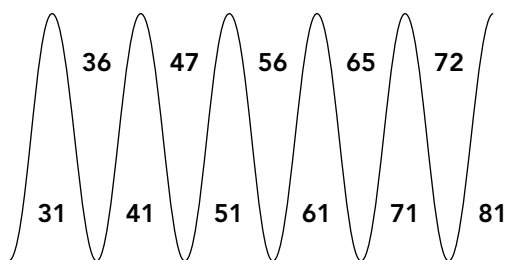
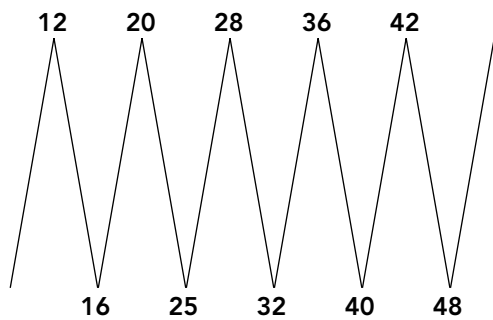
Ngubani onemali eninzi?

- USara une: 20c ezimbini zengqekembe, i R1 enye yengqekembe kunye ne 5c ezintlanu zeengqekembe.
- UPita une: 10c ezilishumi zengqekembe, 50c ezimbini zengqekembe kunye ne 20c ezintandathu zengqekembe.
- Siphwe une: R1 ezimbini zengqekembe kunye ne 5c ezintandathu zengqekembe.

_____ unemali eningi kunabanye.

Imisebenzi yophuculo 3.3

Qaphela iimpazamo



Imisebenzi yophuculo 3.4

Fumana amanani

Fumana uhlikihle ngombala zonke ibhloko ezingazibini apho amanani amabini asecaleni kwelinye, okanye lingaphantsi kwelinye, likunika ama 60.

11	49	23	10
12	20	40	50
33	18	15	33
27	60	45	19
30	30	18	41

Umsebenzi Wokubakhulisa 3.1

Ngingubani mina?

Ukuba undiphinda-phinda ngesihlanu, uphinde undidibanise ngo 3, ufumana ama 28.

5

Xa undahlulahlula, undahlula ka 2, ufumana-u 5 kunye nentsalela engu 1.

11

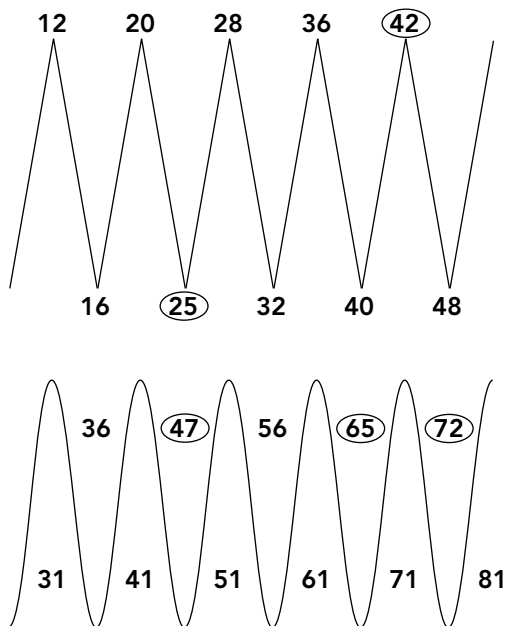
Imisebenzi yophuculo 3.2

Ngubani onemali eninzi?

- USara une: 20c ezimbini zengqekembe, i R1 enye yengqekembe kunye ne 5c ezintlanu zeengqekembe.
- UPita une: 10c ezilishumi zengqekembe, 50c ezimbini zengqekembe kunye ne 20c ezintandathu zengqekembe.
- Sipiwe une: R1 ezimbini zengqekembe kunye ne 5c ezintandathu zengqekembe

Imisebenzi yophuculo 3.3

Qaphela iimpazamo



Imisebenzi yophuculo 3.4

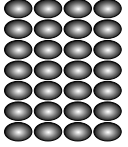
Fumana amanani

Fumana uhlikhile ngombala zonke ibhloko ezingazibini apho amanani amabini asecaleni kwelinye, okanye lingaphantsi kwelinye, likunika ama 60.

11	49	23	10
12	20	40	50
33	18	15	33
27	60	45	19
30	30	18	41

Umsebenzi Wokubakhulisa 3.5: Iimpendulo

Isiphicaphicwano

1	2	3	4
			
14	14		28

Ibhokisi yesi 3 inamaqanda angama 28 phakathi.

Ibhokisi e 1 inehafu yoko.

Ibhokisi yesi 4 inezimbini njengebhokisi e1.

Ibhokisi yesi 2 inehafu yamaqanda kunebhokisi yesi 4.

Mangaphi amaqanda akwibhokisi yoku1kanye neye 2 xa zizonke?

28

Imisebenzi yophuculo 3.6: Iimpendulo

Umyalezo ofihlakeleyo

a	d	e	h	l	y	m	o	u	v	s	t
34	35	36	44	46	54	55	56	60	61	62	70

1. $17 + 18 = 35$
2. $51 + 5 = 56$
3. $21 + 33 = 54$
4. $12 + 44 = 56$
5. $30 + 30 = 60$
6. $11 + 35 = 46$
7. $41 + 15 = 56$
8. $19 + 42 = 61$
9. $18 + 18 = 36$
10. $10 + 45 = 55$
11. $17 + 17 = 34$
12. $70 + 0 = 70$
13. $12 + 32 = 44$
14. $13 + 48 = 62$

Iimpendulo, zikhutshwe ngokomyalelo, pela:

Do you love maths? (Uyazithanda izibalo?)

Imisebenzi yophuculo 3.7: Iimpendulo

Amanani aseJiphuta 354 ajongeka ngolu hlobo:



Ingaba azakuba njani la manani:

121 

322 

Imisebenzi yophuculo 3.8: Iimpendulo

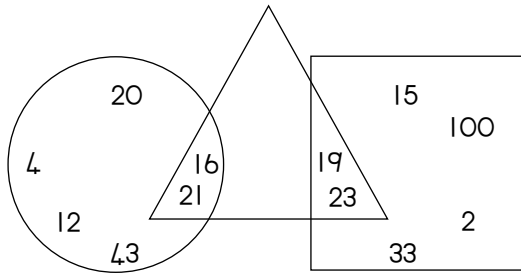
Fumana amanani

Fumana uhlikihle ngombala zonke ibhloko ezingazibini apho amanani amabini asecaleni kwelinye, okanye lingaphantsi kwelinye, likunika u 60

15	60	0	36
3	1	51	23
0	44	16	37
25	35	29	12
17	50	11	19

Imisebenzi yophuculo 3.9

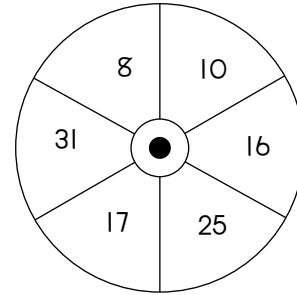
Ngubani inani lam?



1. Eli nani likwisangqa. Liyihafu ya 24. _____
2. Eli nani likwisikwere. Ukuba uyaliphinda - phinda, liba ngama 30. _____
3. Eli nani likunxantathu. Linani elingumnqakathi kwaye lincinci ka kunama 21. _____

Imisebenzi yophuculo 3.10

Ukudlala idathi



1. Leliphi inqaku eliphezulu xa usebenzisa iidathi ezi 3? _____
2. Amanqaku kaBen ali 49. Ngawaphi amanani amathathu aye wawafumana? _____, _____, _____.
3. Amanqaku ka Siphon angama 34. Idathi ezimbini zibetha inani elinye. Leliphi inani alifumeneyo? _____

Imisebenzi yophuculo 3.11

Zingaphi ibhloko?

A				
B				
C				
D				

Mangaki amabhulokhi kulokhu:

Umugqa ongu-A? _____

Imigqa C + D? _____

Uhhafu womugqa B? _____

Imigqa seyiyonke. _____

Imisebenzi yophuculo 3.12

Inani ama 24

$$\underline{\quad} \times 2 = 24$$

$$\underline{\quad} \times 3 = 24$$

$$\underline{\quad} \times 4 = 24$$

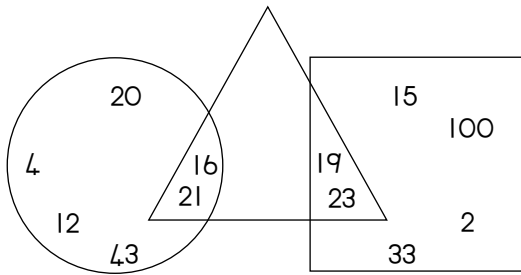
$$\underline{\quad} \times 6 = 24$$

$$\underline{\quad} \times 8 = 24$$

$$\underline{\quad} \times 12 = 24$$

Imisebenzi yophuculo 3.9 limpendulo

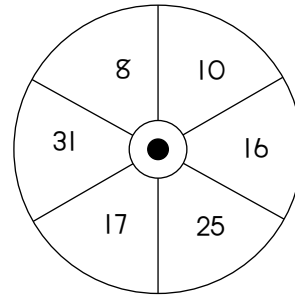
Yini inombolo yami?



1. Eli nani likwisangqa. Liyihafu ya 24 12
2. Eli nani likwisikwere. Ukuba uyaliphinda - phinda, liba ngama 30 15
3. Eli nani likunxantathu. Linani elingumnqakathi kwaye lincinci ka kunama 21 19

Imisebenzi yophuculo 3.10 limpendulo

Ukudlala idathi



1. Leliphi inqaku eliphezulu xa usebenzisa iidathi ezi 3? 93
2. Amanqaku kaBen ali 49. Ngawaphi amanani amathathu aye wawafumana? 31 , 8 , 10
3. Amanqaku ka Sipho angama 34. Idathi ezimbini

Imisebenzi yophuculo 3.11 limpendulo

Zingaphi ibhloko?

A				
B				
C				
D				

Zingaphi iibhloko eziphaya:

Umqolo A? 4

Imiqolo C + D? 8

Ihafu yomqolo B? 2

Imiqolo xa iyonke? 16

Imisebenzi yophuculo 3.12 limpendulo

Amanani 24

12 x 2 = 24

8 x 3 = 24

6 x 4 = 24

4 x 6 = 24

3 x 8 = 24

2 x 12 = 24

Imisebenzi yophuculo 3.13

Thumelela umama wakho umyalezo



Zeziphi iisimboli ozibonayo xa uthumelela umama wakho umyalezo othi: **I love you.**

Imisebenzi yophuculo 3.14

Uthini umyalezo xa ucofa ezi simboli?



- : * ? 2 4 + 9 9 2 3

* 6 (2 3 4 9 : + + "

Imisebenzi yophuculo 3.15

Dibanisa



Wonke amanani kumqolo wokuqala: _____

Wonke amanani kumqolo wesibini: _____

Wonke amanani kumqolo wesithathu: _____

Mangaphi amanqaku ewonke kwimiqolo 1 no 2?

Imisebenzi yophuculo 3.16

Dibanisa kwakhona



Dibanisa wonke amanani kwikholam eqala ngo 1: _____

Dibanisa wonke amanani kwikholam eqala ngo2: _____

Dibanisa wonke amanani kwikholam eqala ngo 3: _____

Dibanisa iimpendulo zontathu:

Imisebenzi yophuculo 3.13:limpendulo

Thumelela umama wakho umyalezo



Zeziphi iisimboli ozibonayo xa uthumelela umama wakho umyalezo othi: **I love you.**

- " + ? 2) + _

Imisebenzi yophuculo 3.14: limpendulo

limpendulo?



- : * ? 2 4 + 9 9 2 3

U h a v e s o c c e r

* 6 (2 3 4 9 : + + "

a f t e r s c h o o l

U have soccer after school

Imisebenzi yophuculo 3.15: limpendulo

Dibanisa



Wonke amanani kumqolo wokuqala: 6

Wonke amanani kumqolo wesibini: 15

Wonke amanani kumqolo wesithathu: 24

Ewonke omathathu amanqaku edityanisiweyo: 45

Imisebenzi yophuculo 3.16: limpendulo

Dibanisa kwakhona



Dibanisa wonke amanani kwikholam eqala ngo 1: 12

Dibanisa wonke amanani kwikholam eqala ngo2: 15

Dibanisa wonke amanani kwikholam eqala ngo 3: 18

Ewonke omathathu amanqaku edityanisiwe: 45

Imisebenzi yophuculo 3.17

Amanani olandelelwano

Kwisivakalisi:

The lion and the mouse went for a picnic.
Ngowuphi unobumba wamashumi amabini?

Kwisivakalisi:

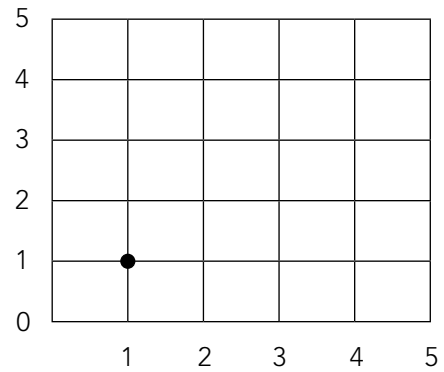
The lion ate the mouse.
Ngowuphi unobumba wesibhozo? _____

What a lovely snack I had, little mouse!

Yenza igama ngonubumba weshumi,
wamashumi amabini anesibini, wesixhenxe
kunye noweshumi elinesithathu.

Imisebenzi yophuculo 3.18

Dibanisa amachokoza



Yenza ichaphaza ku 1-1, 3-4, 1-4 kunye 3-1.
Dibanisa/ Qhakamshela la machokoza. Yeyiphi
imilo oyifumanayo?

Imisebenzi yophuculo 3.19

Leliphi inani ?

3 amakhulu

4 amashumi ngaphezu kwamakhulu

3 ngaphantsi kunamashumi

2 amakhulu

1 ishumi ngaphezulu kwamakhulu

5 imivo ngaphezulu kunamashumi

5 amakhulu

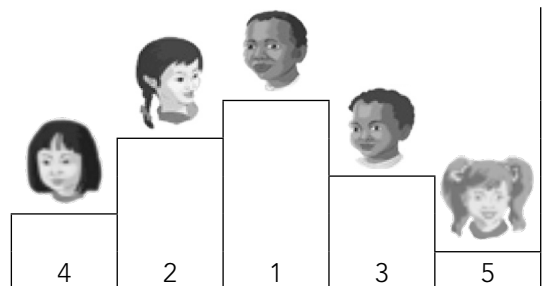
3 imivo ngaphezu kwamakhulu

4 amashumi ngaphantsi kwemivo

Imisebenzi yophuculo 3.20

Ndiphi mna kolu gqatso?

1. UMram ngowokuqala
2. UMary ungowesibini.
3. UJohn ungowesithathu.
4. UMaryke ungowesihlanu
5. Ndibengowe _____.



Imisebenzi yophuculo 3.17: Iimpendulo

Amanani olandelelwano

The lion and the mouse went for a picnic.

Ngowuphi unobumba wamashumi amabini?
e

The lion ate the mouse.

Ngowuphi unobumba wesibhozo? _a_

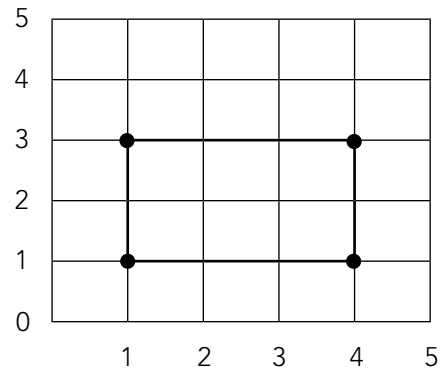
What a lovely snack I had, little mouse!

Yenza igama ngonubumba weshumi,
wamashumi amabini anesibini, wesixhenxe
kunye noweshumi elinesithathu.

. lion

Imisebenzi yophuculo 3.18: Iimpendulo

Dibanisa amachokoza



Yenza ichokoza ku 1-1, 3-4, 1-4 kunye 3-1.

Dibanisa/ Qhakamshela amachokoza. Yeyiphi
imilo efumanekayo?

rectangle

Imisebenzi yophuculo 3.19: Iimpendulo

Leliphi inani?

3 amakhulu

4 tens amashumi ngaphezu kwamakhulu

3 ngaphantsi kunamashumi

374

2 amakhulu

1 ishumi ngaphezulu kwamakhulu

5 imivo ngaphezulu kunamashumi.

238

5 amakhulu

3 imivo ngaphezu kwamakhulu

4 amashumi ngaphantsi kwemivo

548

Imisebenzi yophuculo 3.20: Iimpendulo

Ndiphi mna kolu gqatso?

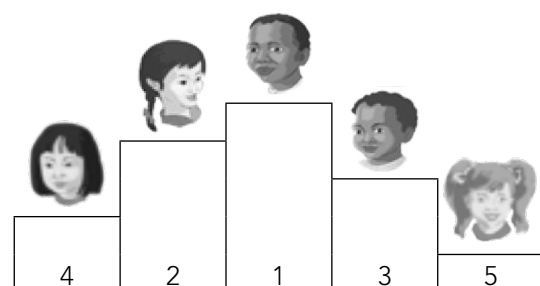
1. UImram ngowokuqala.

2. UMary ungowesibini.

3. UJohn ungowesithathu.

4. UMaryke ungowesihlanu

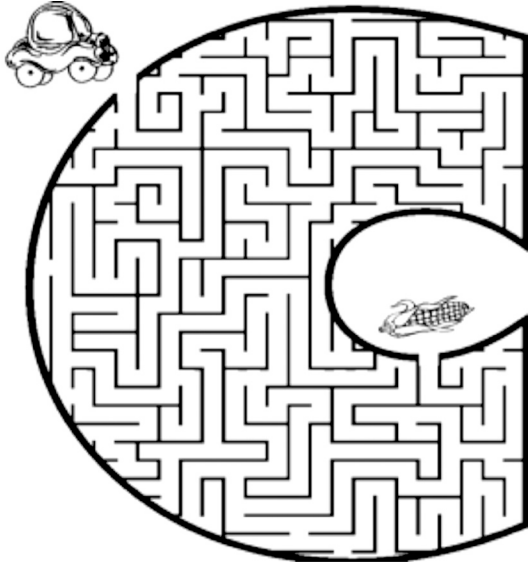
5. Ndibengowe fourth



Imisebenzi yophuculo 3.21

Fumana indlela yakho

Qala kwimoto ufumane indlela yakho eya emboneni ukufumana isikhwebu sombona. Unganqumli ngaphezu kwawo nawo nawuphina umgca.



Imisebenzi yophuculo 3.22

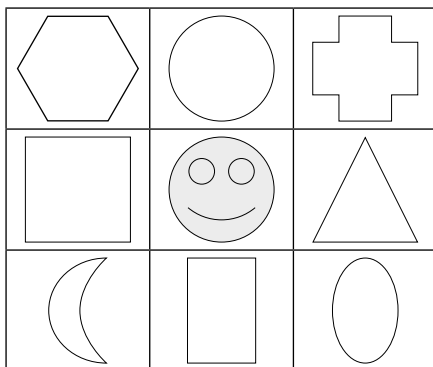
Liphi igama lamanani

h	x	i	b	h	f	s	b	m	j
t	s	v	d	i	g	c	s	d	k
e	v	i	f	y	t	n	e	w	t
v	b	t	x	i	q	r	j	g	h
l	h	r	a	t	d	b	z	p	r
e	f	r	l	n	y	f	m	a	r
w	p	p	u	z	p	v	k	n	e
t	l	h	e	l	e	v	e	n	o

11 5th 100 1
60 12th 25

Imisebenzi yophuculo 3.23

Ngobani itshomi zam?



Zoba iimilo:

Ngasekukhohlo kwam.

Ngaphantsi kwam.

Ngaphezu kwam.

Ngasekunene

Imisebenzi yophuculo 3.24

Fumana amagama emilo

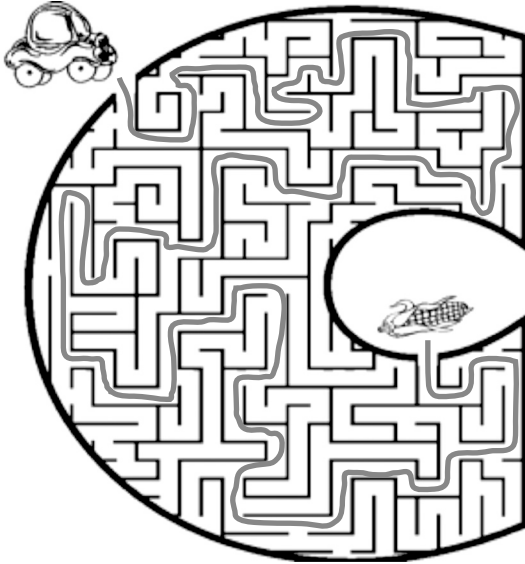
u	k	m	h	v	r	e	v	n	c	r	m	c	d	r
i	h	n	n	w	l	e	l	x	e	u	b	o	i	k
r	v	u	d	c	a	n	d	c	a	z	b	n	m	f
y	w	k	r	o	r	p	t	n	h	q	d	e	a	q
m	u	i	u	k	b	a	h	x	i	h	c	i	r	k
b	c	x	s	d	n	m	b	g	b	l	s	z	y	b
y	f	e	l	g	n	a	i	r	t	w	y	k	p	l
l	j	o	l	z	s	q	u	a	r	e	b	c	g	b
g	y	e	p	e	x	i	r	m	j	x	c	z	b	r
u	f	q	n	u	r	u	m	x	s	b	z	q	d	a

circle, cone, cube, cylinder, pyramid,
rectangle, square, triangle

Imisebenzi yophuculo 3.21: limpendulo

Fumana indlela yakho

Start at the car and find your way through the maze to get to the mealie. Don't cross over any lines.



Imisebenzi yophuculo 3.22: limpendulo

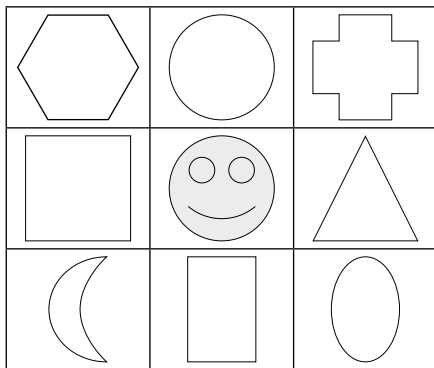
Fumana amagama emilo?

h	x	i	b	h	f	s	b	m	j
t	s	v	d	i	g	c	s	d	k
e	v	i	f	y	t	n	e	w	t
v	b	t	x	i	q	r	j	g	h
l	h	r	a	t	d	b	z	p	r
e	f	r	l	n	y	f	m	a	r
w	p	p	u	z	p	v	k	n	e
t	l	h	e	l	e	v	e	n	o

11 5th 100 1
60 12th 25


Imisebenzi yophuculo 3.23 limpendulo


Ngobani itshomi zam?




Dweba umfanekiso:

Kwesobunxele sami. 

Ngezansi kwami. 

Ngenhla kwami. 

Kwesokudla sami. 

Imisebenzi yophuculo 3.24: limpendulo

Fumana amagama emilo

u	k	m	h	v	r	e	v	n	c	r	m	c	d	r
i	h	n	n	w	l	e	l	x	e	u	b	o	i	k
r	v	u	d	c	a	n	d	c	a	z	b	n	m	f
y	w	k	r	o	r	p	t	n	h	q	d	e	a	q
m	u	i	u	k	b	a	h	x	i	h	c	i	r	k
b	c	x	s	d	n	m	b	g	b	l	s	z	y	b
y	f	e	l	g	n	a	i	r	t	w	y	k	p	l
l	j	o	l	z	s	q	u	a	r	e	b	c	g	b
g	y	e	p	e	x	i	r	m	j	x	c	z	b	r
u	f	q	n	u	r	u	m	x	s	b	z	q	d	a

circle, cone, cube, cylinder, pyramid,
rectangle, square, triangle

Imisebenzi yophuculo 3.25

Gqibezela le Sudoku

Ikota nganye mayibe namanani 1, 2, 3, kunye 4.

4		1	
1		2	4
	4		1
	1		2





Imisebenzi yophuculo 3.26

Imali

Beka iingqekembe ngokulandelelana kwazo, ukusuka kwezinxabiso elikhulu ukuya kwelincinane. Bhala amanani kuphela.

1. 	2. 	3. 	4. 	5. 

Ke ngoku zicwangcise ukusuka kwenexabiso elincinane ukuya kwelikhulu. Bhala amanani kuphela.

1. 	2. 	3. 	4. 	5. 

Imisebenzi yophuculo 3.27

Amaxabiso aphantsi kwezi zinto zilandelayo:

Isikhipha	R5,00
Ikepusi	R15,00
Ikawusi	R3,00
Izihlangu	R20,00
Isikethi	R10,00
Ibhluhwe	R10,00

Ndinama R50, 00. Ndingathenga ntoni?

Imisebenzi yophuculo 3.28

Gqibezela le Sudoku

1	2		
		2	1
2	4		
		4	2

Imisebenzi yophuculo 3.25: Iimpendulo


Gqibezela le Sudoku

4	2	1	3
1	3	2	4
2	4	3	1
3	1	4	2






Imisebenzi yophuculo 3.26: Iimpendulo

Imali

Beka iingqekembe ngokulandelelana kwazo, ukusuka kwezinxabiso elikhulu ukuya kwelincinane. Bhala amanani kuphela.

1. 	2. 	3. 	4. 	5. 
3	4	1	5	2

Ke ngoku zicwangcise ukusuka kwenexabiso elincinane ukuya kwelikhulu. Bhala amanani kuphela.

1. 	2. 	3. 	4. 	5. 
3	2	5	1	4

Imisebenzi yophuculo 3.27: Iimpendulo

Iimpendulo

(Iimpendulo ezininzi zamnkelekile)

Amaxabiso aphantsi kwezi zinto zilandelayo:

- Isikhipha R5,00
- Ikepusi R15,00
- Ikawusi R3,00
- Izihlangu R20,00
- Isikethi R10,00
- Iibhluhwe R10,00

Ndinama R50, 00. Ndingathenga ntoni?

Umzekelo: Ndingathenga ikepusi, ipere ezi 2 zekawusi, isikhipha kunye nepere yezihlangu (Iyonke R46,00).

Imisebenzi yophuculo 3.28: Iimpendulo

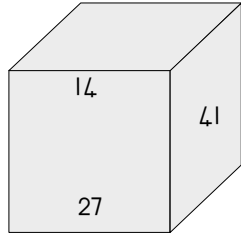
Gqibezela le Sudoku

1	2	3	4
4	3	2	1
2	4	1	3
3	1	4	2

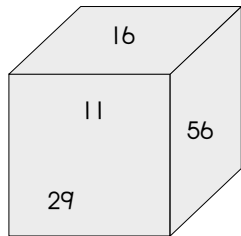
Imisebenzi yophuculo 3.29

Izibalo ezixutyiweyo

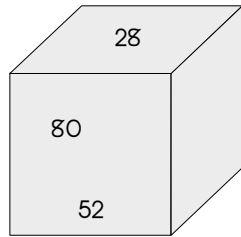
Sebenzisa amanani akwiibhokisi ukwenza izibalo.



$$\square + \square = \square$$



$$\square + \square + \square = \square$$

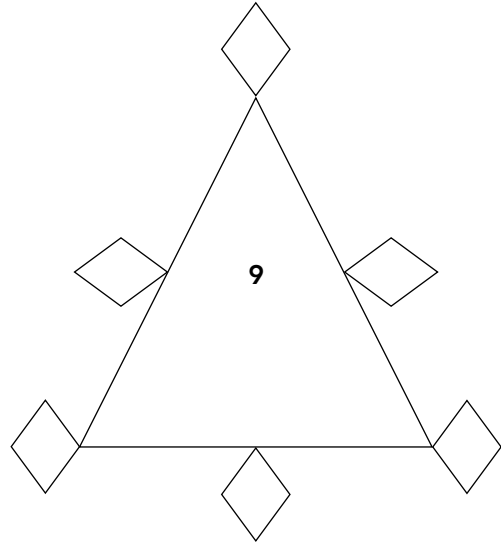


$$\square + \square = \square$$

Imisebenzi yophuculo 3.30

Amanani amathandathu

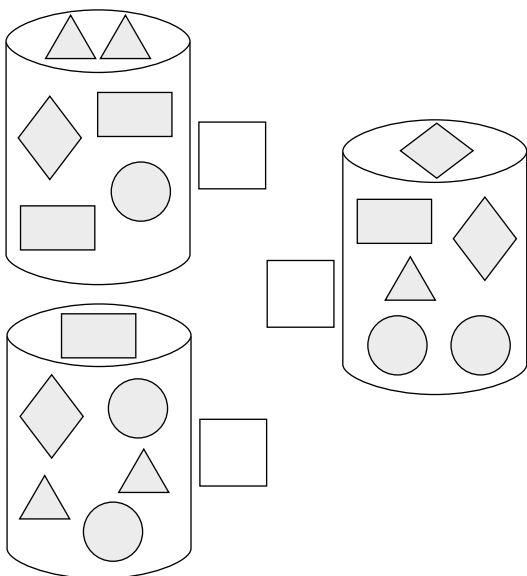
Beka amanani u1–6 kwidayimani ukwenzela ukuba icala ngalinye likanxantathu longeze kunxantathu ongaphakathi..



Imisebenzi yophuculo 3.31

Ixabiso

Lingaba liyintoni ixabiso lesilinda nganye ukuba iimilo ebuxande zi 4, izangqa zi 3, unxantathu om1 kunye needayimani ezi 10? Bhala impendulo kwibhokisi



Imisebenzi yophuculo 3.32

Faka umbala ukubonakalisa

Fakela umbala kumanani ayakuthi xa edityaniswa enze inani lokuqala kumqolo webhloko.

37	3	15	2	9	7	8	1
----	---	----	---	---	---	---	---

53	18	6	10	14	3	5	2
----	----	---	----	----	---	---	---

41	11	9	7	3	10	5	1
----	----	---	---	---	----	---	---

Imisebenzi yophuculo 3.29: Iimpendulo

Izibalo ezixutyiweyo:

Sebenzisa amanani akwiibhokisi ukwenza izibalo

Box 1: Top face 14, front face 27, right face 41. Equation: $27 + 14 = 41$

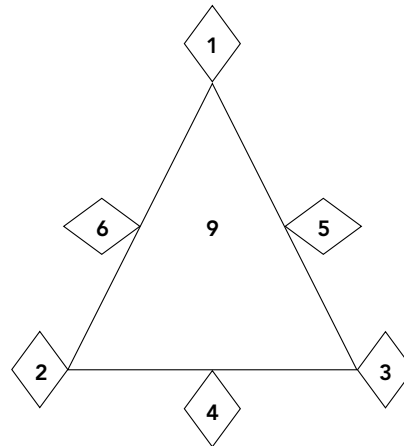
Box 2: Top face 28, front face 52, right face 80. Equation: $52 + 28 = 80$

Box 3: Top face 16, front face 11, right face 56. Equation: $16 + 29 + 11 = 56$

Imisebenzi yophuculo 3.30: Iimpendulo

Sebenzisa amanani akwiibhokisi ukwenza izibalo:

Beka amanani u1–6 kwidayimani ukwenzela ukuba icala ngalinye likanxantathu longeze kunxantathu ongaphakathi



Imisebenzi yophuculo 3.31: Iimpendulo

Ixabiso

Lingaba liyintoni ixabiso lesilinda nganye ukuba iimilo ebuxande zi 4, izangqa zi 3, unxantathu om1 kunye needayimani ezi 10? Bhala impendulo kwibhokisi

Umsebenzi Wokubakhulisa 3.32: Iimpendulo

Faka umbala ukukhombisa impendulo

Faka umbala ezinombolweni ezihlangana zakhe eyokuqala ebhulokhini.

37	3	15	2	9	7	8	1
----	---	----	---	---	---	---	---

53	18	6	10	14	3	5	2
----	----	---	----	----	---	---	---

41	11	9	7	3	10	5	1
----	----	---	---	---	----	---	---