

GRADE 2

TERM 4 2019

**MATHEMATICS
ENGLISH / SEPEDI /
XITSONGA**

RESOURCE PACK

PRINTABLE RESOURCES

The following printable resources are included in this section:

1. Resource sheets

2. Mental mathematics challenge cards: Bilingual version

3. Enrichment activity cards: English version

4. Enrichment activity cards: Spedi and Xitsonga version

Resource Sheets

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

1. Base ten blocks (Several lessons – reprint from Term 1)
2. Flard cards (Several lessons – reprint from Term 1)
3. Number name cards 90–95 (Lesson 2)
4. Number name cards 96–100 (Lesson 2)
5. Ordinal number cards 1–10 (Lesson 5)
6. Original number cards 11–20 (Lesson 5)
7. Money problem card/Ikhadi lezibalo zemali (Lesson/Isifundo 14)
8. Fractions circles and fraction squares (Lesson 28)
9. Fractions table (Lesson 30)
10. Geometric patterns (Lesson 38)

Resources for each day of teaching

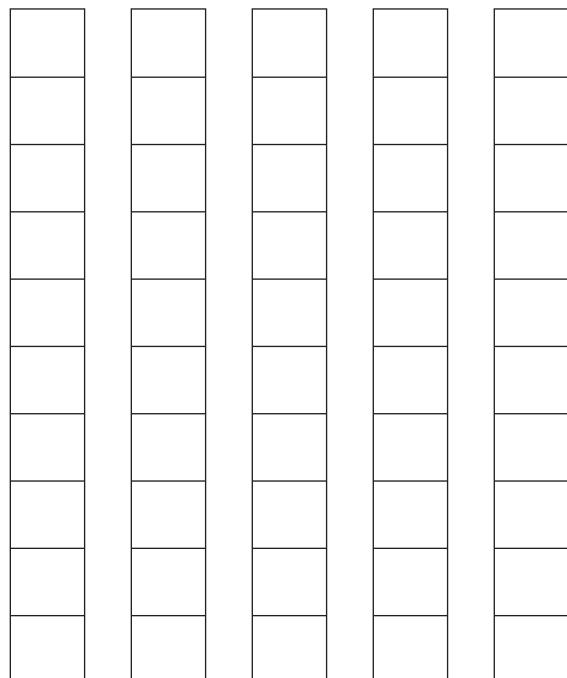
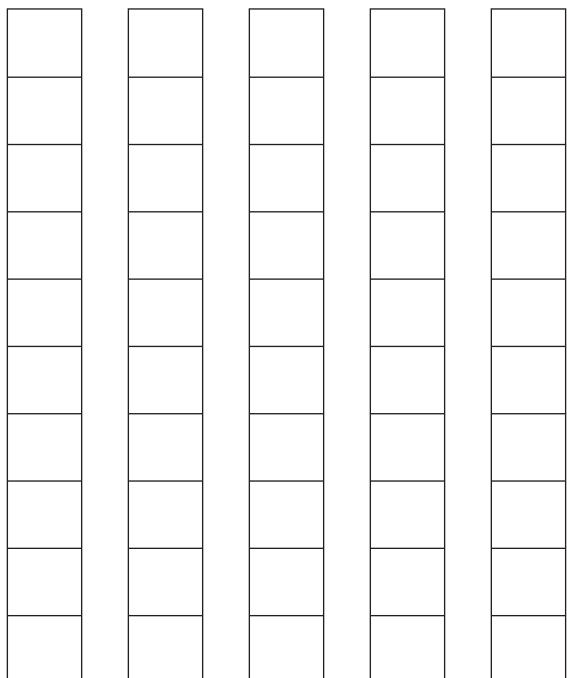
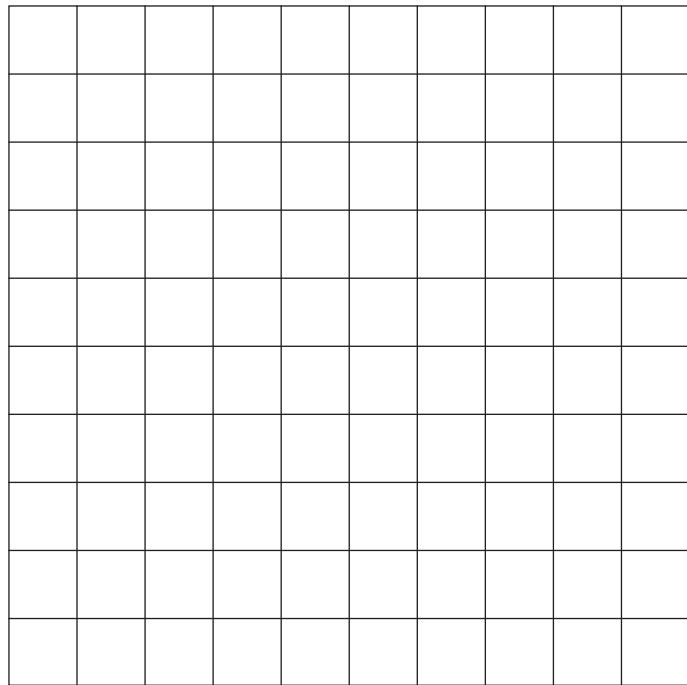
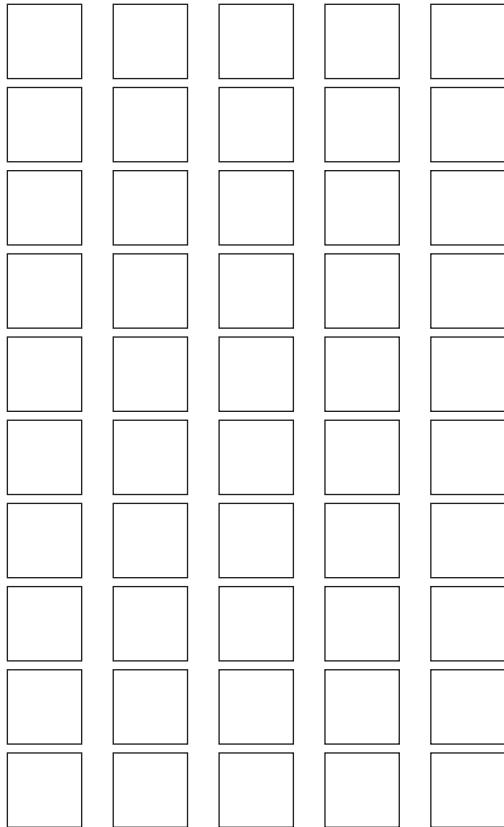
There are also other resources such as informal resources (old magazines, pieces of string, scrap paper, etc.) that you may need in certain lessons. You should have a careful look at the list of resources needed for each lesson which is given in the lesson plans each day to see which resources are needed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

1. Base ten blocks (Several lessons)

To make the base ten block kit you need to paste a copy of this sheet onto cardboard and then cut out all of the blocks.

You could also use grid paper and mark out the blocks and cut them out.

- The small blocks are used to represent unit/ones.
- The long blocks are used to represent tens.
- The big flat blocks are used to represent hundreds.



2. Flard cards (Several lessons)

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

3. Number name cards 90–95 (Lesson 2)

90	ninety
91	ninety one
92	ninety two
93	ninety three
94	ninety four
95	ninety five

SEPEDI

3.Dikarata tša dinomoro (Thuto 2)

q0	masomesenyane
q1	masomesenyane tee
q2	masomesenyane pedi
q3	masomesenyane tharo
q4	masomesenyane nne
q5	masomesenyane hlano

XITSONGA

3. Makhadi ya mavito ya nomboro 90–95 (Dyondzo ya 2)

q0	makumekayeninetu
q1	makumekaye n'we
q2	makumekaye mbirhi
q3	makumekaye nharhu
q4	makumekaye mune
q5	makumekaye ntlanu

4. Number name cards 96–100 (Lesson 2)

96	ninety six
97	ninety seven
98	ninety eight
99	ninety nine
100	one hundred

SEPEDI

4. Dikarata tša dinomoro (Thuto 2)

q6	masomesenyane tshela
q7	masomesenyane Šupa
q8	masomesenyane seswai
qq	masomesenyane senyane
	100
	lekgolo

XITSONGA

4. Makhadi ya mavito ya nomboro 96–100 (Dyondzo 2)

q6	makumekaya tsevu
q7	makumekaye nkombo
q8	makumekaye nhungu
qq	makume kayekaye
	100
	dzana

5. Original number cards 1–10 (Lesson 5)

first	second		
third	fourth		
fifth	sixth		
seventh	eighth		
ninth	tenth		
1 st	2 nd	3 rd	4 th
5 th	6 th	7 th	8 th
9 th	10 th	11 th	12 th
13 th	14 th	15 th	16 th
17 th	18 th	19 th	20 th

SEPEDI

5. Dikarata tša nnete tša dinomoro 1-10 (Thuto 5)

ya mathomo	ya bobedi		
ya boraro	ya bone		
ya bohlano	ya botshela		
ya bošupa	ya boseswai		
ya bo senyane	ya bolesome		
1 st	2 nd	3 rd	4 th
5 th	6 th	7 th	8 th
9 th	10 th	11 th	12 th
13 th	14 th	15 th	16 th
17 th	18 th	19 th	20 th

XITSGONA

5. Makhadi ya ntiyiso ya tinomboro 1–10 (Dyondzo 5)

sungula	vumbirhi		
vunharhu	mune		
ntlhangu	tsevu		
nkombo	nhungu		
nkaye	ntlhangu		
1 st	2 nd	3 rd	4 th
5 th	6 th	7 th	8 th
9 th	10 th	11 th	12 th
13 th	14 th	15 th	16 th
17 th	18 th	19 th	20 th

6. Ordinal number cards 11–20 (Lesson 5)

eleventh

twelfth

thirteenth

fourteenth

fifteenth

sixteenth

seventeenth

eighteenth

nineteenth

twentieth

6. Dikarata tša nnete tša dinomoro 11–20 (Thuto 5)

ya bolesome tee

ya bolesome pedi

ya bolesome tharo

ya bolesome nne

ya bolesome hlano

ya bolesome tshela

ya bolesome Šupa

ya bolesome seswai

ya bolesome senyane

ya bomasome pedi

6. Makhadi ya ntiyiso ya tinomboro 11–20 (Dyondzo 5)

khumen'we

khumembirhi

khumenharhu

khumemune

khumentlhanu

khumetsevu

khumenkombo

xa-khumenhungu

khumenkaye

makumenbirhi

7. Money problem card/Ikhadi lezibalo zemali (Lesson/Isifundo 14)

Dipalo tša mantšu tša go šoma ka tšelete

1. Ke nale R30,00. Ke ya lebenkeleng go reka borotho le maswi ka R28,50. Na ke tla hwetša tshentšhi ya bokae?
2. Ke nyaka go reka mongatse ka R16,25 le phere ya dieta ka R78,90. Na ke swanetše go boloka bokae gore ke kgone go reka dilo tše?
3. Phakethe ya ditšhipisi ke R 1,75.
 - a. Na diphakethe tše hlano tša ditšhipisi di tla bitša bokae?
 - b. Na nka reka diphakethe tš kae ka R12,00?

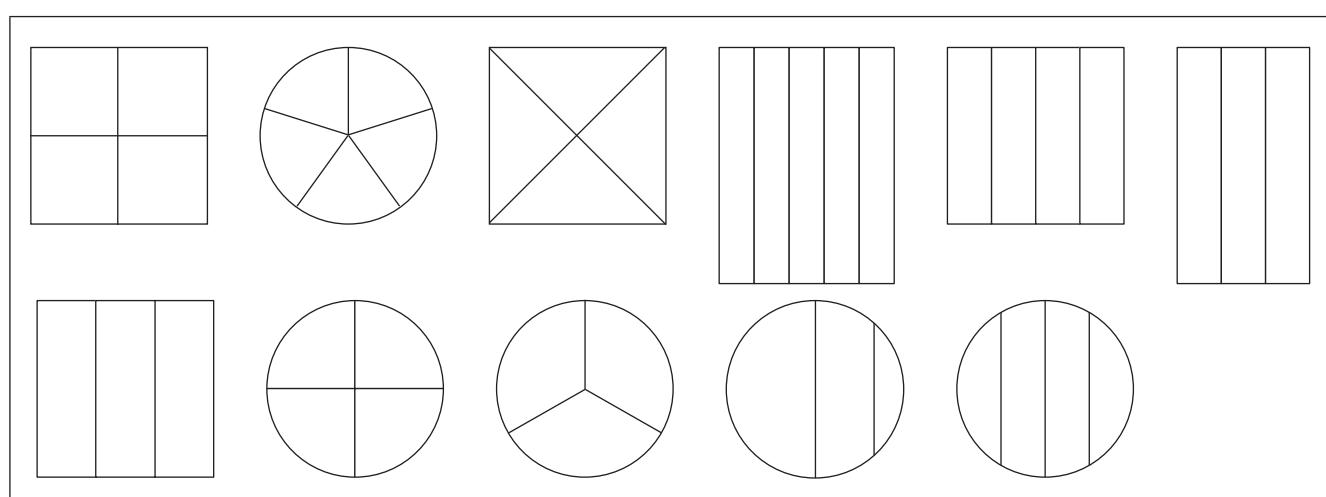
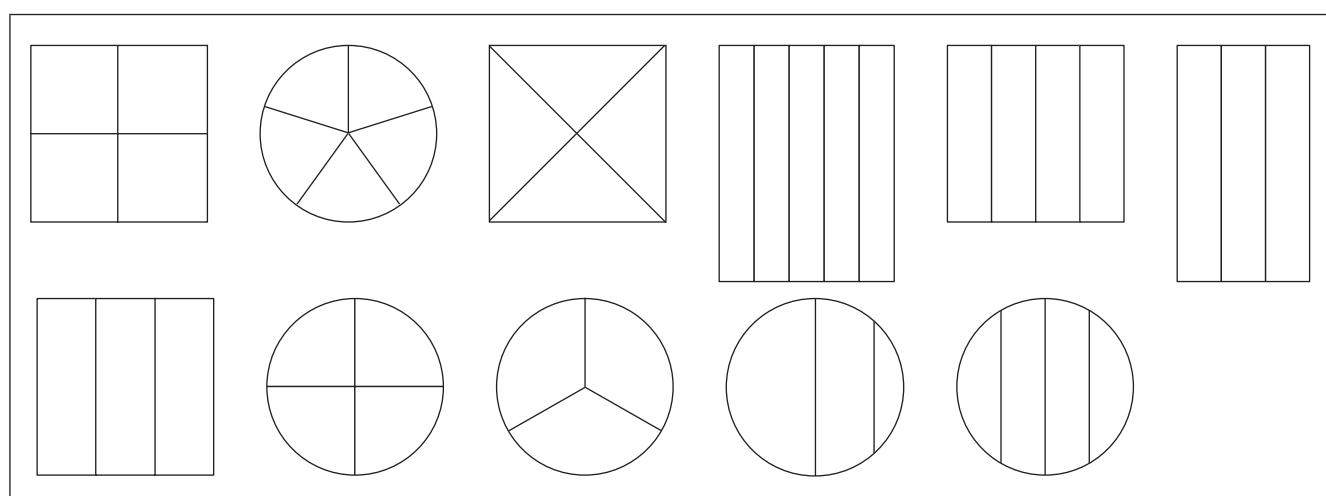
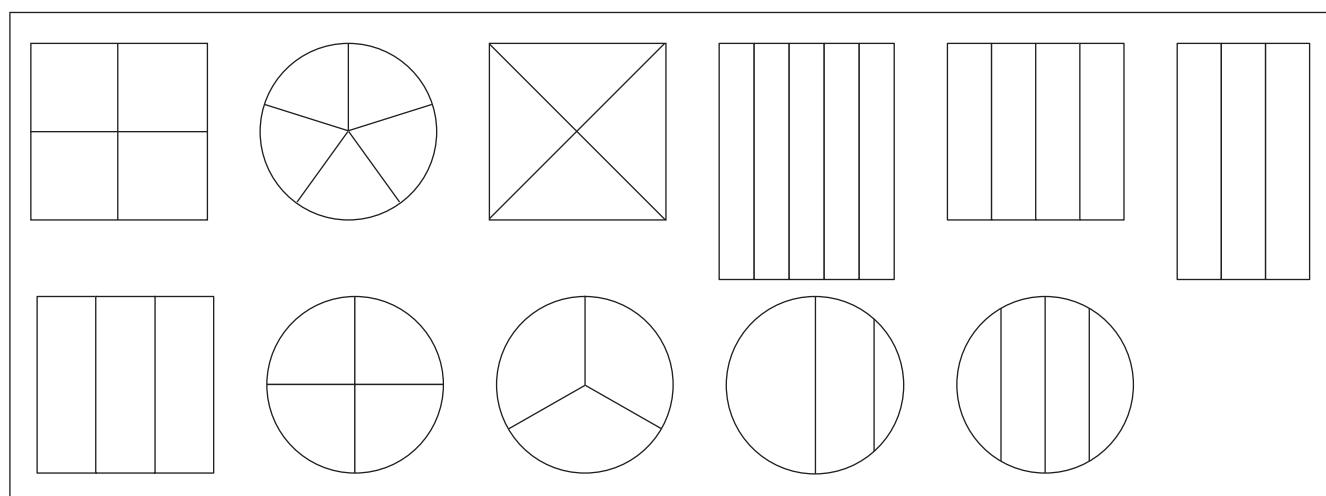
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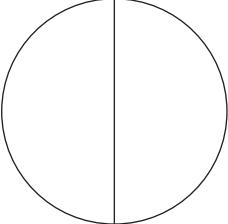
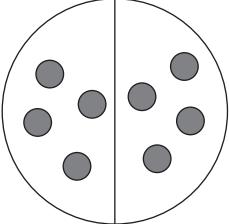
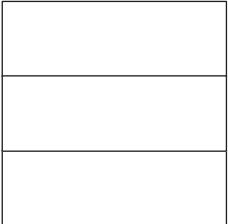
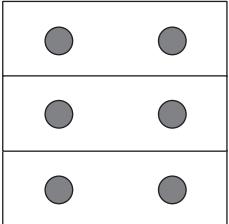
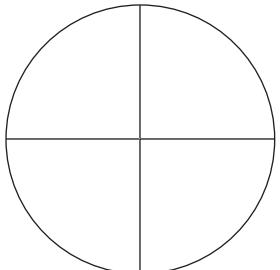
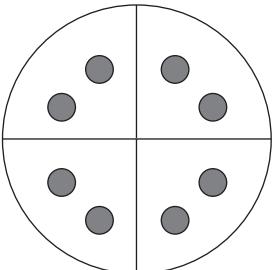
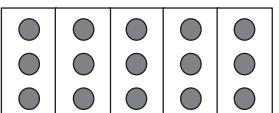
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 - b. Na nka reka diphakethe tš kae ka R12,00?

8. Fractions circles and fraction squares (Lesson 28)

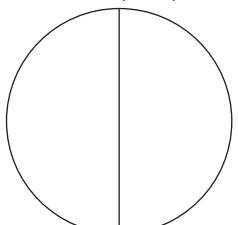
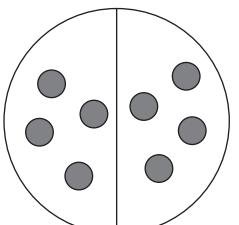
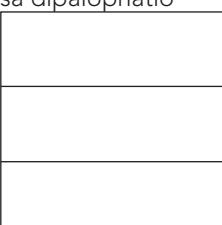
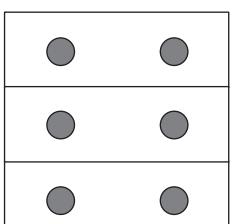
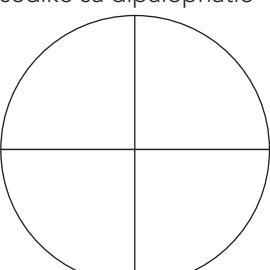
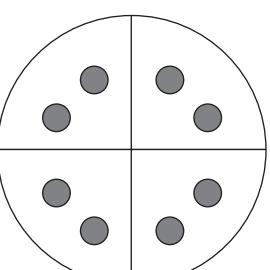
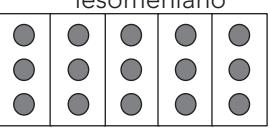


9. Fractions table (Lesson 30)

Single shape whole	A number of counters as the whole	What fraction of the counters have we found?	How many counters?
a) Halves using a fraction circle 	Eight counters 	One half of the counters (four)	We have eight counters. One half of the counters is four counters.
b) Thirds using a fraction square 	Six counters 	One third of the counters (two)	We have six counters. One third of the counters is two counters.
c) Quarter using a fraction circle 	Eight counters 	One quarter of the counters (two)	We have eight counters. One quarter of the counters is two counters.
d) Fifths using a fraction rectangle 	Fifteen counters 	One fifth of the counters (three)	We have 15 counters. One fifth of the counters is three counters.

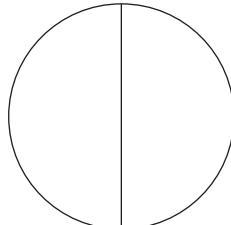
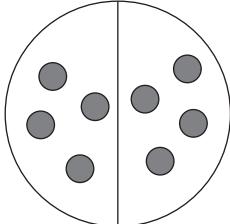
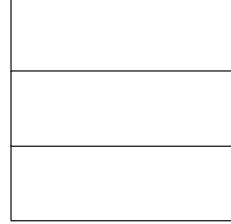
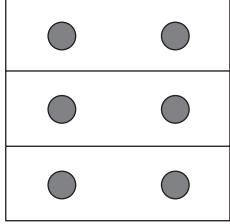
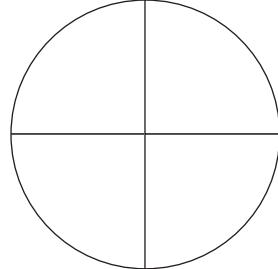
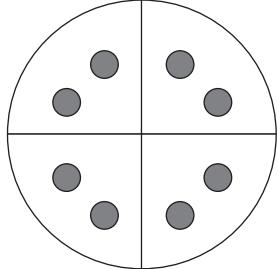
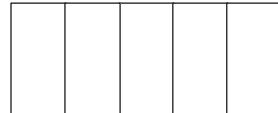
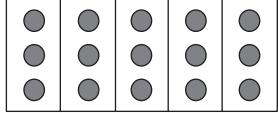
SEPEDI

9. Tafola ya dipalophatlo (Thuto 28)

Sebopego se tee go tlala	Palo ya dibaledi bjalo ka palotlalo.	Na re hweditše palophatlo efe ya dibaledi?	Ke dibaledi tše kae?
a) Diripagare o šomiša didiko tša dipalophatlo 	Dibaledi tše seswai 	Seripagare se tee sa dibaledi (nne)	Re nale dibaledi tše seswai. Seripagare se tee sa dibaledi ke dibaledi tše nne.
b) Bo tharong o šomiša sekwere sa dipalophatlo 	Dibaledi tše tshela 	Tee tharong ya dibaledi (pedi)	Re nale dibaledi tše tshela. Tee tharong ya dibaledi ke dibaledi tše pedi.
c) dikotara o šomiša sediko sa dipalophatlo 	Dibaledi tše seswai 	Kotara ye tee ya dibaledi(pedi)	Re nale dibaledi tše seswai. Kotara e tee ya dibaledi ke dibaledi tše pedi.
d) Bohlanong o šomiša khutlonnethwii ya dipalophatlo. 	Dibaledi tše lesomehlano 	Tee hlanong ya dibaledi(tharo)	Re nale dibaledi tše lesomehlano. Tee hlanong ya dibaledi ke dibaledi tše tharo.

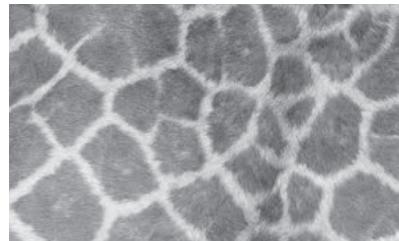
XITSONGA

9. Tafula ra xiphemu (Dyondzo ya 28)

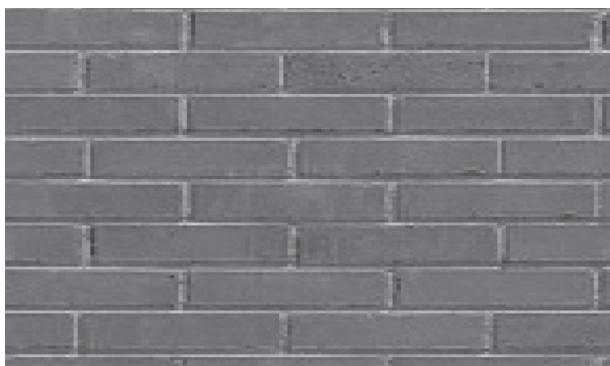
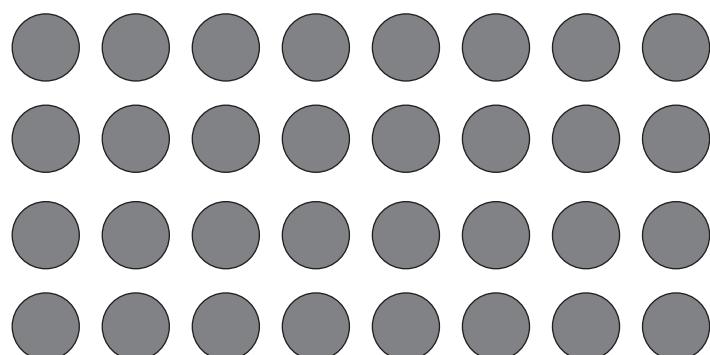
Xivumbeko xin'we xo helela	Nomboro ya swihlayelo swi helerile	Xana i xiphemu xini xa swihlayelo leswi hi nga swikuma?	Xana ku na swihlayelo swingani?
a) Hafu loko hi tirhisa xiphemu xa xirhendzevutana 	Nhungu wa swihlayelo 	N'we kotara wa swihlayelo (mune)	Hi na nhungu wa swihlayelo. N'we hafu wa swihlayelo i mune wa swihlayelo.
b) Vunharhu u tirhisa xiphemu xa xa xikwere 	Ntsevu wa swihlayelo 	N'we xanharhu wa swihlayelo (mbirhi)	Hi na ntsevu wa swihlayelo i swihlayelo swimbirhi.
c) xirhendzevutana u tirhisa xiphemu xa 	Nhungu wa swihlayelo 	N'we kotara wa swihlayelo(mbirhi)	Hi na nhungu wa swihlayelo. N'we kotare i swihlayelo swimbirhi.
d) Vunlhau u tirhisa xiphemu xa rekthengula 	Khumentlhau wa swihlayelo 	N'we vunlhau wa swihlayelo(nharhu)	Hi na 15 wa swihlayelo. N'we wa swihlayelo i swihlayelo swinharhu.

10. Geometric patterns (Lesson 38)

Activity 1



Activity 2



Mental Mathematics Challenge Cards: English and Sepedi 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

Which is the smaller number?

Karata ya teko ya tsebo ya dipalo 1

Ke nomoro efe e nyenyane?

1. 17, 27
2. 31, 13
3. 11, 91
4. 84, 48
5. 36, 63
6. 23, 32
7. 46, 64
8. 87, 78
9. 99, 66
10. 77, 44

Maths Challenge Card 2

Which is the largest number?

Karata ya teko ya tsebo ya dipalo 2

Ke nomoro efe e kgolo?

1. 99, 66
2. 48, 84
3. 36, 63
4. 64, 46
5. 97, 79
6. 54, 45
7. 39, 93
8. 37, 73
9. 88, 87
10. 10, 101

Maths Challenge Card 3

Which number is between:

Karata ya teko ya tsebo ya dipalo 3

Ke nomoro efe yeo e lego magareng ga tše?

1. 62, 64
2. 73, 75
3. 90, 92
4. 87, 89
5. 69, 71
6. 28, 30
7. 77, 79
8. 96, 98
9. 88, 90
10. 59, 61

Maths Challenge Card 4

Solve:

Karata ya teko ya tsebo ya dipalo 4

Rarolla:

1. $2 + 8 = \square + 7 = \square$
2. $15 + 3 = \square + 2 = \square$
3. $14 + 3 = \square + 5 = \square$
4. $18 + 4 = \square + 3 = \square$
5. $17 + 3 = \square + 5 = \square$
6. $11 + 8 = \square + 2 = \square$
7. $10 + 9 = \square + 6 = \square$
8. $3 + 11 = \square + 4 = \square$
9. $12 + 4 = \square + 3 = \square$
10. $13 + 6 = \square + 4 = \square$

Maths Challenge Card 1: Answers

Which is the smaller number?

Karata ya teko ya tsebo ya dipalo 1:
Dikarabo

Ke nomoro efe e nnyane?

1. 17
2. 13
3. 11
4. 48
5. 36
6. 23
7. 46
8. 78
9. 66
10. 44

Maths Challenge Card 2: Answers

Which is the largest number?

Karata ya teko ya tsebo ya dipalo 2:
Dikarabo

Ke nomoro efe e kgolo?

1. 99
2. 84
3. 63
4. 64
5. 97
6. 54
7. 93
8. 73
9. 88
10. 101

Maths Challenge Card 3: Answers

Which number is between:

Karata ya teko ya tsebo ya dipalo 3 :
Dikarabo

Ke nomoro efe yeo e lego magareng ga tše?

1. 63
2. 74
3. 91
4. 88
5. 70
6. 29
7. 78
8. 97
9. 89
10. 60

Maths Challenge Card 4: Answers

Solve:

Karata ya teko ya tsebo ya dipalo 4:
Dikarabo

Rarolla:

1. 10, 17
2. 18, 20
3. 17, 22
4. 22, 25
5. 20, 25
6. 19, 21
7. 19, 25
8. 14, 18
9. 16, 19
10. 19, 23

Maths Challenge Card 5

What must I add to these numbers to get 20?

Karata ya teko ya tsebo ya dipalo 5

Ke swanetše go oketša ka bokae mo dinomorong tše gore ke hwetše 20?

1. 5
2. 11
3. 12
4. 8
5. 9
6. 13
7. 17
8. 18
9. 15
10. 19

Maths Challenge Card 6

4 more than:

Karata ya teko ya tsebo ya dipalo 6

Tše 4 go feta:

1. 15
2. 8
3. 7
4. 16
5. 14
6. 13
7. 12
8. 10
9. 1
0. 17

Maths Challenge Card 7

3 less than:

Karata ya teko ya tsebo ya dipalo 7

Tše 3 ka fase ga:

1. 18
2. 7
3. 11
4. 4
5. 18
6. 12
7. 15
8. 16
9. 13
10. 17

Maths Challenge Card 8

Complete:

Karata ya teko ya tsebo ya dipalo 8

Feleletša:

1. 24, 22, 20, ___, ___, ___
2. 16, 18, 20, ___, ___, ___
3. 30, 40, ___, ___, ___
4. ___, ___, ___, 40, 50, 60
5. 15, 20, 25 ___, ___, ___.
6. 30, 25, ___, ___, ___
7. 3, 6, 9, ___, ___, ___
8. 20, 16, 12, ___, ___, ___
9. 70, 75, ___, ___, ___
10. 100, 95, ___, ___, ___

Maths Challenge Card 5: Answers

What must I add to these numbers to get 20?

Karata ya teko ya tsebo ya dipalo 5:

Dikarabo

Ke swanetše go oketša ka bokae mo dinomorong tše gore ke hwetše 20?

1. 15
2. 9
3. 8
4. 12
5. 11
6. 7
7. 3
8. 2
9. 5
10. 1

Maths Challenge Card 6: Answers

4 more than:

Karata ya teko ya tsebo ya dipalo 6:

Dikarabo

Tše 4 go feta:

1. 19
2. 12
3. 11
4. 20
5. 18
6. 17
7. 16
8. 14
9. 5
10. 21

Maths Challenge Card 7: Answers

3 less than:

Karata ya teko ya tsebo ya dipalo 7:

Dikarabo

Tše 3 ka fase ga:

1. 15
2. 4
3. 8
4. 1
5. 15
6. 9
7. 12
8. 13
9. 10
10. 14

Maths Challenge Card 8: Answers

Complete:

Karata ya teko ya tsebo ya dipalo 8:

Dikarabo

Feleletša:

1. 18, 16, 14
2. 22, 24, 26
3. 50, 60, 70
4. 10, 20, 30
5. 30, 35, 40
6. 20, 15, 10
7. 12, 15, 18
8. 8, 4, 0
9. 80, 85, 90
10. 90, 85, 80

Mental Mathematics Challenge Cards: English and Xitsonga 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

Which is the smaller number?

Khadi ra ntlhotlho wa Tinhlayo 1

Hi yini nomboro leyitsongo?

1. 17, 27
2. 31, 13
3. 11, 91
4. 84, 48
5. 36, 63
6. 23, 32
7. 46, 64
8. 87, 78
9. 99, 66
10. 77, 44

Maths Challenge Card 2

Which is the largest number?

Khadi ra ntlhotlho wa Tinhlayo 2

Hi yini nomboro leyikulu?

1. 99, 66
2. 48, 84
3. 36, 63
4. 64, 46
5. 97, 79
6. 54, 45
7. 39, 93
8. 37, 73
9. 88, 87
10. 10, 101

Maths Challenge Card 3

Which number is between:

Khadi ra ntlhotlho wa Tinhlayo 3

Hi yini nomboro ya le xikarhi?

1. 62, 64
2. 73, 75
3. 90, 92
4. 87, 89
5. 69, 71
6. 28, 30
7. 77, 79
8. 96, 98
9. 88, 90
10. 59, 61

Maths Challenge Card 4

Solve:

Khadi ra ntlhotlho wa Tinhlayo 4

Ololoxa:

1. $2 + 8 = \square + 7 = \square$
2. $15 + 3 = \square + 2 = \square$
3. $14 + 3 = \square + 5 = \square$
4. $18 + 4 = \square + 3 = \square$
5. $17 + 3 = \square + 5 = \square$
6. $11 + 8 = \square + 2 = \square$
7. $10 + 9 = \square + 6 = \square$
8. $3 + 11 = \square + 4 = \square$
9. $12 + 4 = \square + 3 = \square$
10. $13 + 6 = \square + 4 = \square$

Maths Challenge Card 1: Answers

Which is the smaller number?

**Khadi ra ntlhotlho wa Tinhlayo 1:
Tinhlamulo**

Hi yini nomboro leyitsongo?

1. 17
2. 13
3. 11
4. 48
5. 36
6. 23
7. 46
8. 78
9. 66
10. 44

Maths Challenge Card 2: Answers

Which is the largest number?

**Khadi ra ntlhotlho wa Tinhlayo 2:
Tinhlamulo**

Hi yini nomboro leyikulu?

1. 99
2. 84
3. 63
4. 64
5. 97
6. 54
7. 93
8. 73
9. 88
10. 101

Maths Challenge Card 3: Answers

Which number is between:

**Khadi ra ntlhotlho wa Tinhlayo 3:
Tinhlamulo**

Hi yihi nomboro leyi nga exikarhi?

1. 63
2. 74
3. 91
4. 88
5. 70
6. 29
7. 78
8. 97
9. 89
10. 60

Maths Challenge Card 4: Answers

Solve:

**Khadi ra ntlhotlho wa Tinhlayo 4:
Tinhlamulo**

Ololoxa:

1. 10, 17
2. 18, 20
3. 17, 22
4. 22, 25
5. 20, 25
6. 19, 21
7. 19, 25
8. 14, 18
9. 16, 19
10. 19, 23

Maths Challenge Card 5

What must I add to these numbers to get 20?

Khadi ra ntlhotlho wa Tinhlayo 5

Hi tihi tinomboro leti ndzi nga ti engetelaka ku kuma 20?

1. 5
2. 11
3. 12
4. 8
5. 9
6. 13
7. 17
8. 18
9. 15
10. 19

Maths Challenge Card 6

4 more than:

Khadi ra ntlhotlho wa Tinhlayo 6

Leyikulu hi 4:

1. 15
2. 8
3. 7
4. 16
5. 14
6. 13
7. 12
8. 10
9. 1
0. 17

Maths Challenge Card 7

3 less than:

Khadi ra ntlhotlho wa Tinhlayo 7

Leyitsongo hi 3 ::

1. 18
2. 7
3. 11
4. 4
5. 18
6. 12
7. 15
8. 16
9. 13
10. 17

Maths Challenge Card 8

Complete:

Khadi ra ntlhotlho wa Tinhlayo 8

Hetisa:

1. 24, 22, 20, __, __, __
2. 16, 18, 20, __, __, __
3. 30, 40, __, __, __
4. __, __, __, 40, 50, 60
5. 15, 20, 25, __, __, __.
6. 30, 25, __, __, __
7. 3, 6, 9, __, __, __
8. 20, 16, 12, __, __, __
9. 70, 75, __, __, __
10. 100, 95, __, __, __

Maths Challenge Card 5: Answers

What must I add to these numbers to get 20?

Khadi ra ntlhotlho wa Tinhlayo 5:

Tinhlamulo

Hi tihi tinomboro leti ndzi nga ti engetelaka ku kuma 20?

1. 15
2. 9
3. 8
4. 12
5. 11
6. 7
7. 3
8. 2
9. 5
10. 1

Maths Challenge Card 6: Answers

4 more than:

Khadi ra ntlhotlho wa Tinhlayo 6:

Tinhlamulo

Leyikulu hi 4 ku ri na leyi

1. 19
2. 12
3. 11
4. 20
5. 18
6. 17
7. 16
8. 14
9. 5
10. 21

Maths Challenge Card 7: Answers

3 less than:

Khadi ra ntlhotlho wa Tinhlayo 7:

Tinhlamulo

Leyitsongo hi 3 ku ri na leyi:

1. 15
2. 4
3. 8
4. 1
5. 15
6. 9
7. 12
8. 13
9. 10
10. 14

Maths Challenge Card 8: Answers

Complete:

Khadi ra ntlhotlho wa Tinhlayo 8:

Tinhlamulo

Hetisa:

1. 18, 16, 14
2. 22, 24, 26
3. 50, 60, 70
4. 10, 20, 30
5. 30, 35, 40
6. 20, 15, 10
7. 12, 15, 18
8. 8, 4, 0
9. 80, 85, 90
10. 90, 85, 80

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.

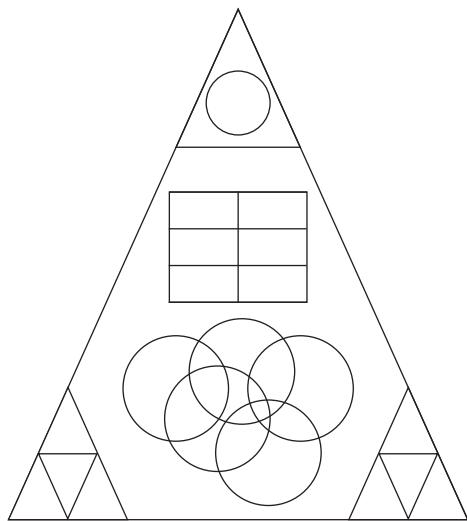
These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some 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 4.1

Count the different shapes?



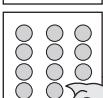
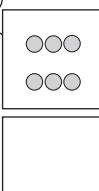
How many are there? _____

How many are there? _____

How many are there? _____

Enrichment Activity 4.2

Help Sarah to find her lost dog by filling in the correct number of dots on each counter.



Enrichment Activity 4.3

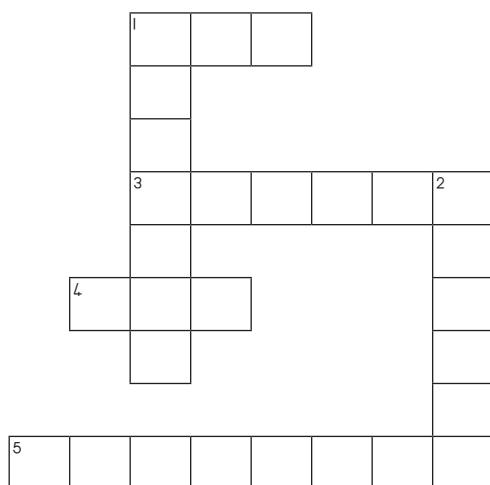
Work out the sums and complete the crossword puzzle by filling in the number names:

Down

1. $4 \times 4 =$
2. $6 + 5 =$

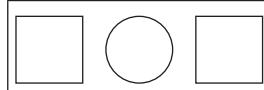
Across

1. $3 \times 2 =$
3. $6 \times 2 =$
4. $5 \times 2 =$
5. $12 + 7 =$



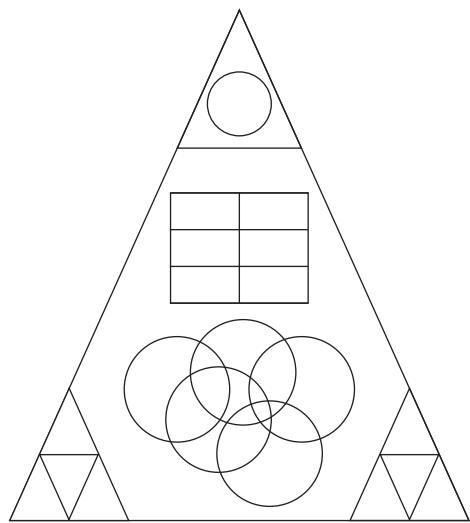
Enrichment Activity 4.4

Complete the following patterns.



Enrichment Activity 4.1: Answers

Count the different shapes?



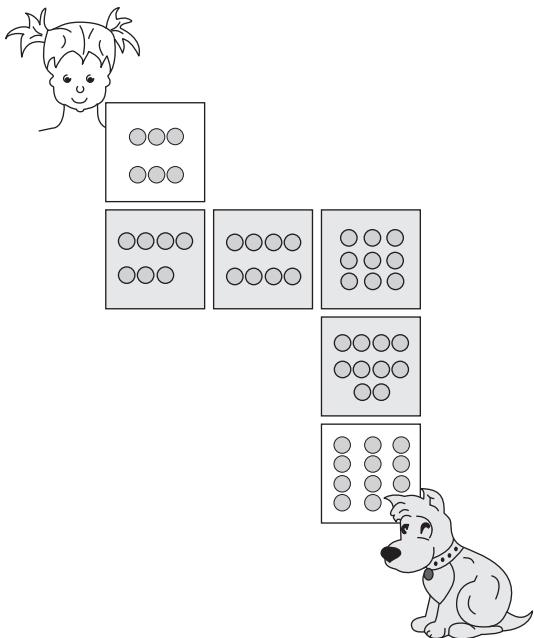
How many \triangle are there? (12)

How many \square are there? (14)

How many \circ are there? (6)

Enrichment Activity 4.2: Answers

Help Sarah to find her lost dog by filling in the correct number of dots on each counter.



Enrichment Activity 4.3: Answers

Work out the sums and complete the crossword puzzle by filling in the number names:

Down

$$1. 4 \times 4 =$$

$$2. 6 + 5 =$$

Across

$$1. 3 \times 2 =$$

$$3. 6 \times 2 =$$

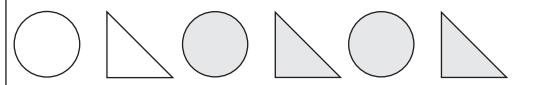
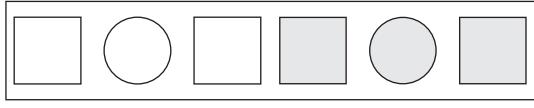
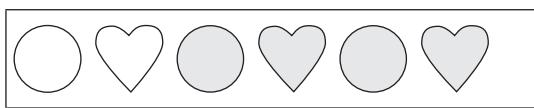
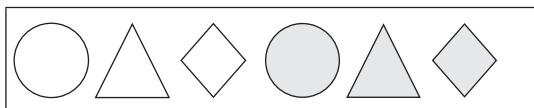
$$4. 5 \times 2 =$$

$$5. 12 + 7 =$$

	1	S	I	X					
I									
X									
	3	T	W	E	L	V	2	E	
E							L		
	4	T	E	N			E		
		N					V		
	5	N	I	N	E	T	E	E	N

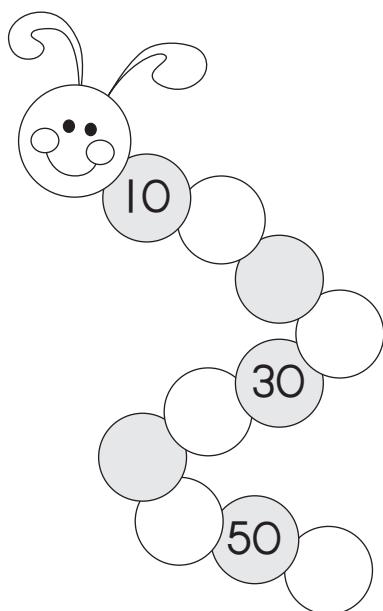
Enrichment Activity 4.4: Answers

Complete the following patterns.



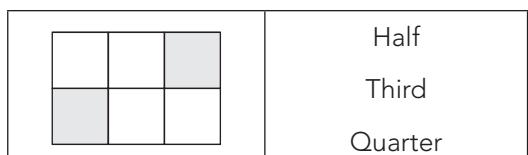
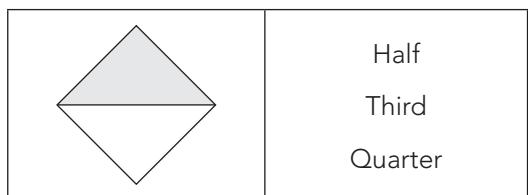
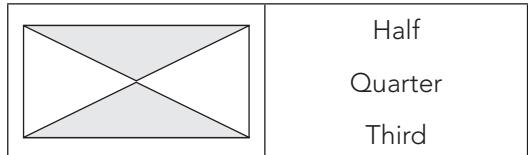
Enrichment Activity 4.5

Figure out the pattern to complete the worm.



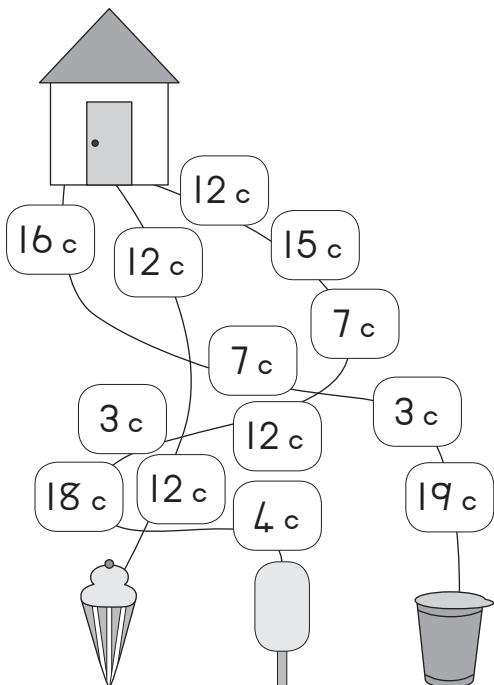
Enrichment Activity 4.6

What fraction of the shape is coloured?
Choose the correct answer.



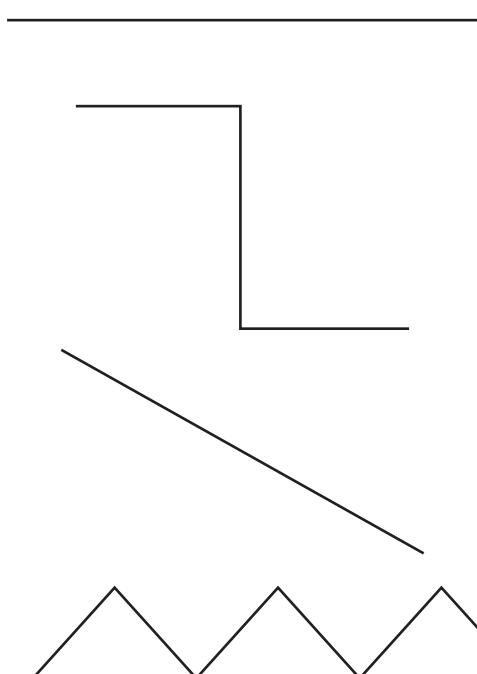
Enrichment Activity 4.7

Follow the paths and then circle the ice-cream that is the cheapest.



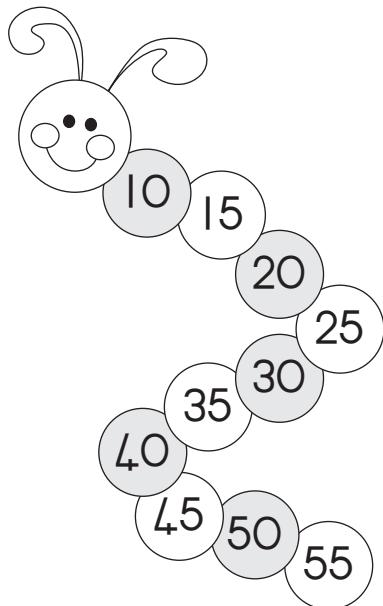
Enrichment Activity 4.8

Circle the line that is the longest. You may use a ruler to measure the lines.



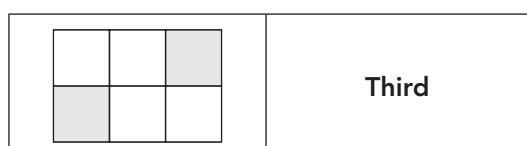
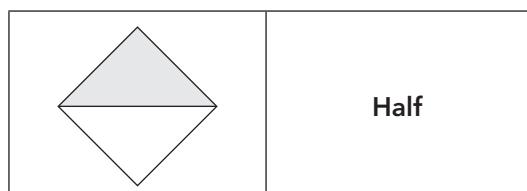
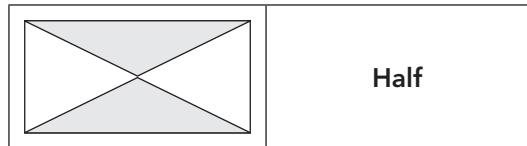
Enrichment Activity 4.5: Answers

Figure out the pattern to complete the worm.



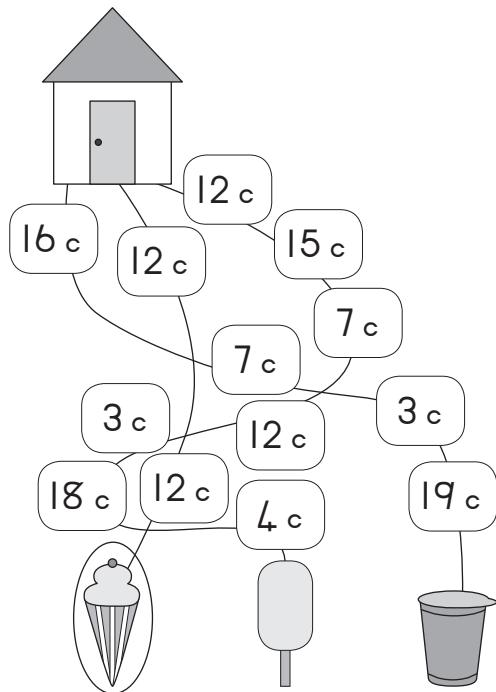
Enrichment Activity 4.6: Answers

What fraction of the shape is coloured?
Choose the correct answer.



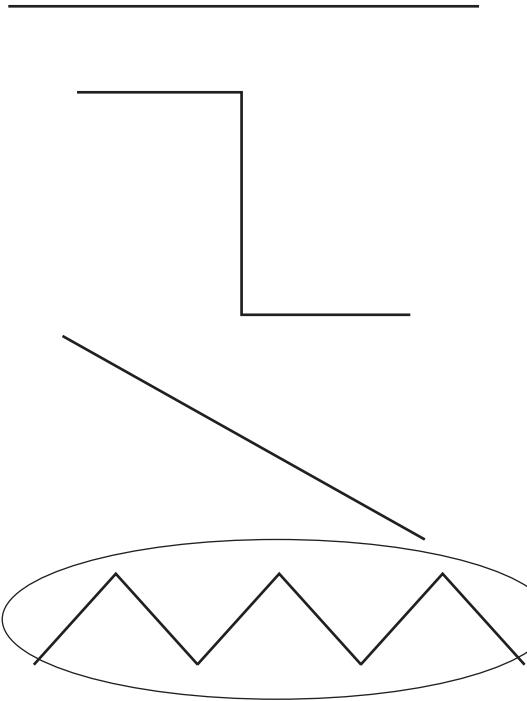
Enrichment Activity 4.7: Answers

Follow the paths and then circle the ice-cream that is the cheapest.



Enrichment Activity 4.8: Answers

Circle the line that is the longest. You may use a ruler to measure the lines.

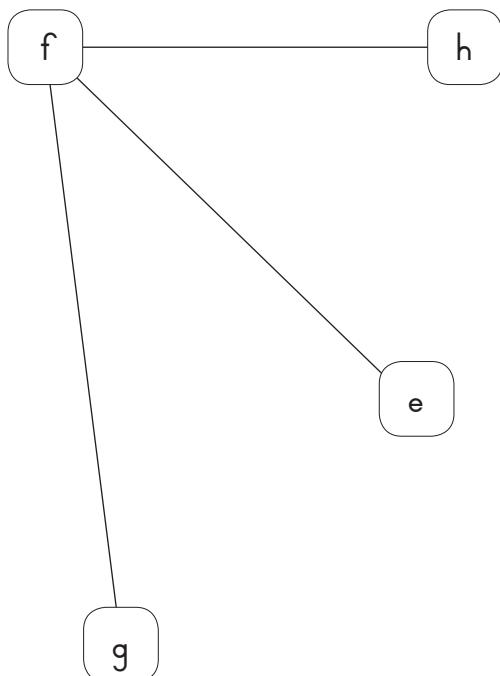


Enrichment Activity 4.9

Which line will be the longest?

Circle your answer.

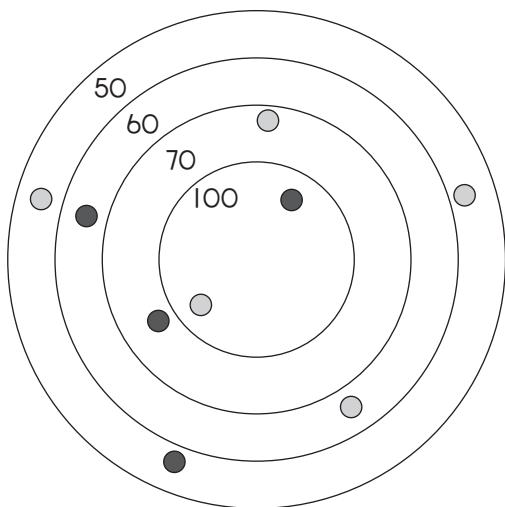
E to F; F to G; or F to H?



Enrichment Activity 4.10

Jane and Jake are playing marbles.

Add their scores to see who is winning.

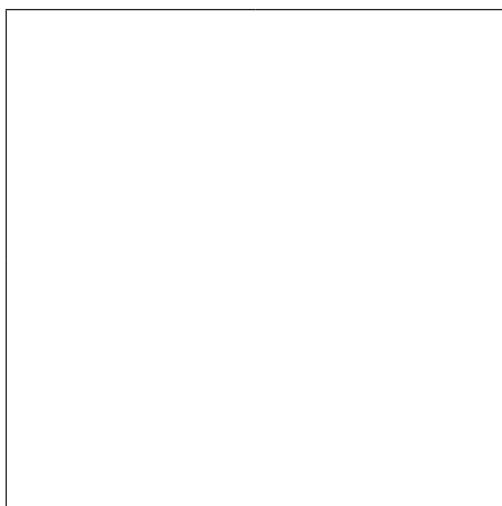


● Jane _____

○ Jake _____

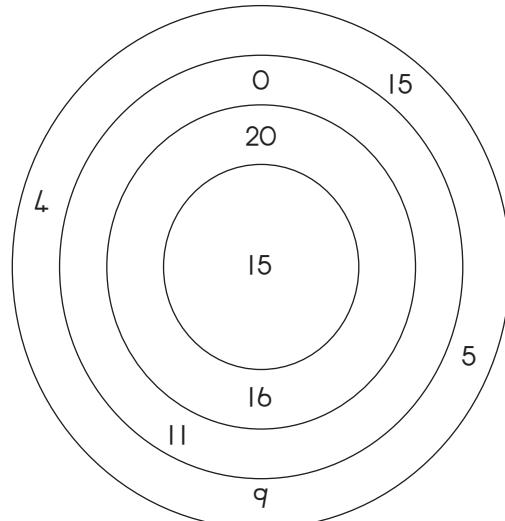
Enrichment Activity 4.11

Divide this square into 6 smaller rectangles.



Enrichment Activity 4.12

Use the numbers and figure out how many sums you can make with 20 as the answer.

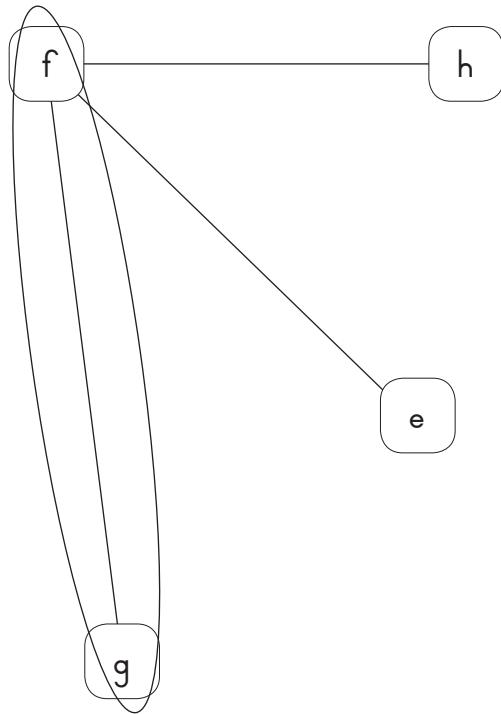


Enrichment Activity 4.9: Answers

Which line will be the longest?

Circle your answer.

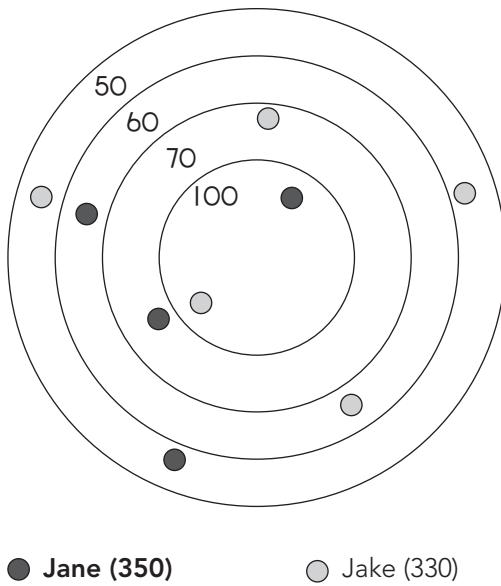
E to F; F to G; or F to H?



Enrichment Activity 4.10: Answers

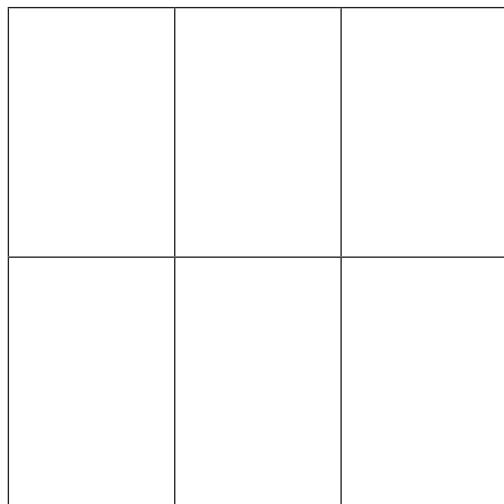
Jane and Jake are playing marbles.

Add their scores to see who is winning.



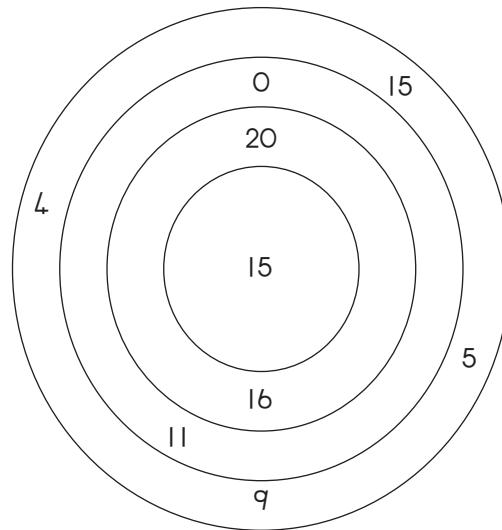
Enrichment Activity 4.11: Answers

Divide this square into 6 smaller rectangles.



Enrichment Activity 4.12: Answers

Use the numbers and figure out how many sums you can make with 20 as the answer.



You can make 4 sums:

$20 + 0$, $15 + 5$, $11 + 9$, $16 + 4$

Enrichment Activity 4.13

Match the problems in Block A with the answers in Block B.

Block A
$5 \times 4 =$
$20 \times 2 =$
$16 + 3 =$
$12 + 6 =$
$60 + 3 =$
$10 \times 7 =$
$40 \times 0 =$
$27 + 1 =$
$14 + 9 =$

Block B
40
18
0
63
23
28
70
20
19

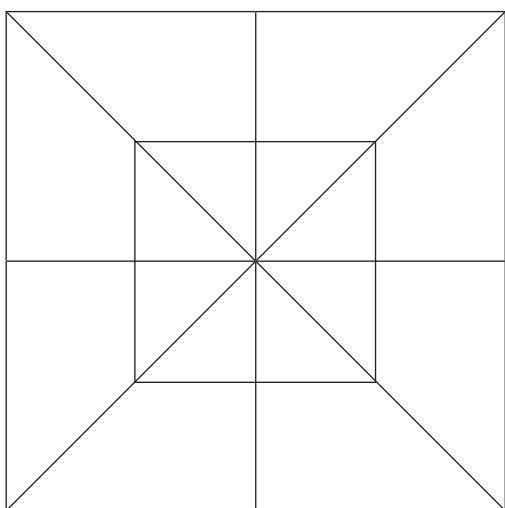
Enrichment Activity 4.14

Try to work out the sums in these blocks.

+	8	1	50
2			
4			
6			
8			
10			

Enrichment Activity 4.15

How many \triangle do you see?



12 Triangles

26 Triangles

33 Triangles

20 Triangles

Enrichment Activity 4.16

Match the numbers with the number names.

Numbers
20
10
90
19
12
14
40

Number names
Twelve
Nineteen
Twenty
Ninety
Ten
Forty
Fourteen

Enrichment Activity 4.13: Answers

Match the problems in Block A with the answers in Block B.

Block A	Block B
$5 \times 4 =$	40
$20 \times 2 =$	18
$16 + 3 =$	0
$12 + 6 =$	63
$60 + 3 =$	23
$10 \times 7 =$	28
$40 \times 0 =$	70
$27 + 1 =$	20
$14 + 9 =$	19

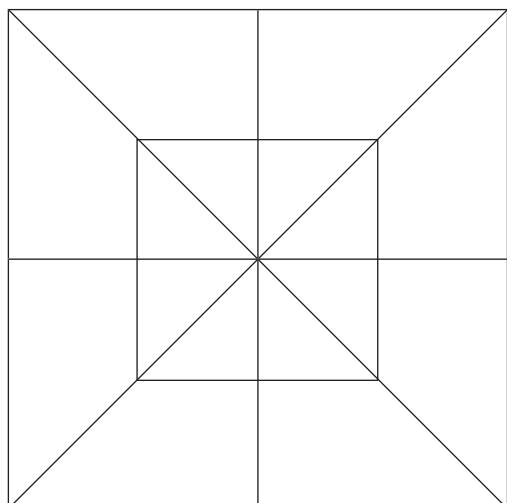
Enrichment Activity 4.14: Answers

Try to work out the sums in these blocks.

+	8	1	50
2	10	3	52
4	12	5	54
6	14	7	56
8	16	9	58
10	18	11	60

Enrichment Activity 4.15: Answers

How many \triangle do you see?



26 Triangles

Enrichment Activity 4.16: Answers

Match the numbers with the number names.

Numbers	Number names
20	Twenty
10	Ten
90	Ninety
19	Nineteen
12	Twelve
14	Fourteen
40	Forty

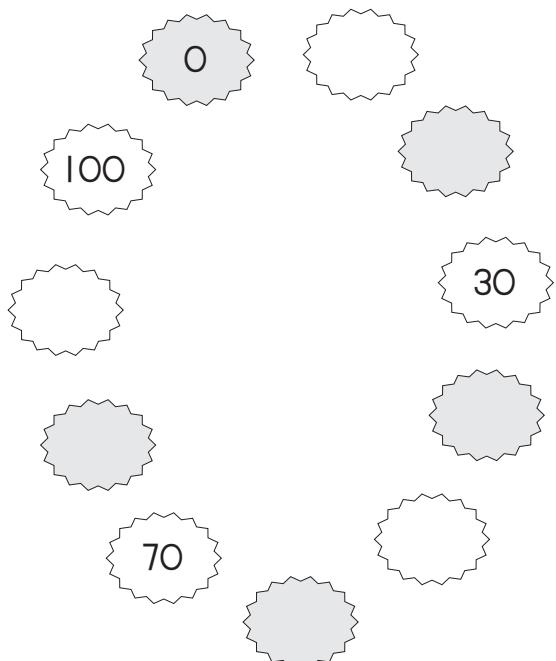
Enrichment Activity 4.17

Complete the table by working out the sums.

x	5	4	2
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Enrichment Activity 4.18

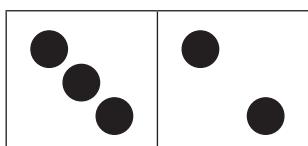
Complete the pattern.



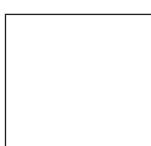
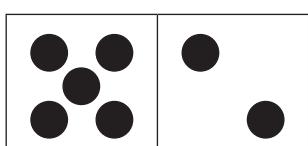
Enrichment Activity 4.19

Multiply the dots on the dominoes and fill in the answers.

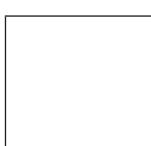
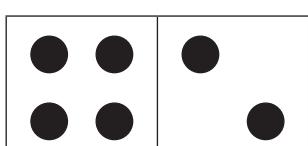
How much will it be?



How much will it be?



How much will it be?



Enrichment Activity 4.20

Multiply the inner number with the outer numbers.

		3	5	
	7	x10		10
		0	8	

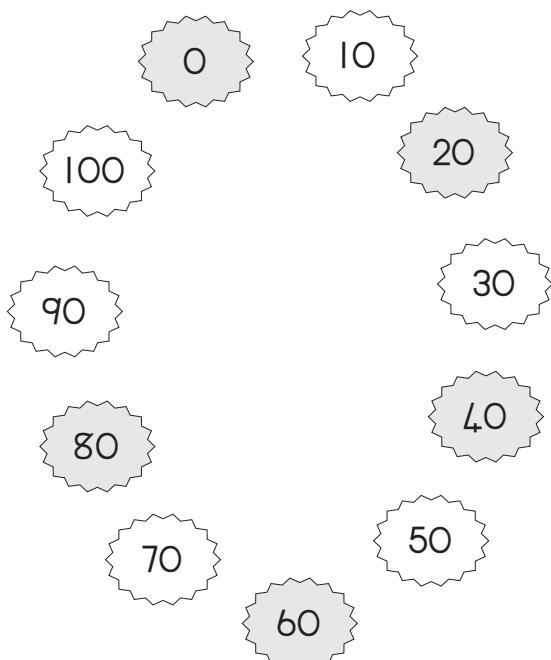
Enrichment Activity 4.17: Answers

Complete the table by working out the sums.

x	5	4	2
1	5	4	3
2	10	8	4
4	15	7	12
4	20	16	8
5	25	20	10
6	30	24	12
7	35	28	14
8	40	32	16
9	45	36	18
10	50	40	20

Enrichment Activity 4.18: Answers

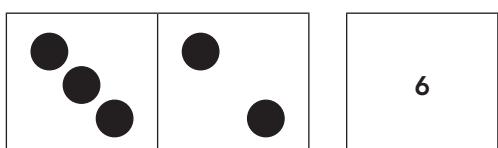
Complete the pattern.



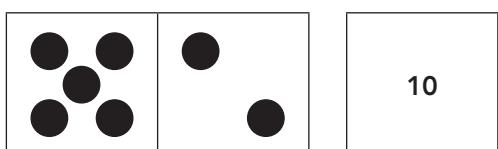
Enrichment Activity 4.19: Answers

Multiply the dots on the dominoes and fill in the answers.

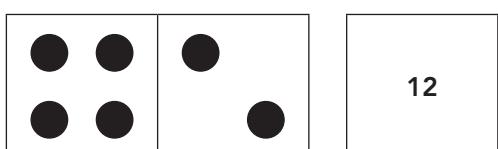
How much will it be?



How much will it be?



How much will it be?



Enrichment Activity 4.20: Answers

Multiply the inner number with the outer numbers.

		30	50		
		3	5		
70	7	x10		10	100
		0	8		
		0	80		

Enrichment Activity 4.21

Calculate the following and draw a line to the answer.

$$14 + 1 =$$

$$20$$

$$13 + 20 =$$

$$15$$

$$17 + 3 =$$

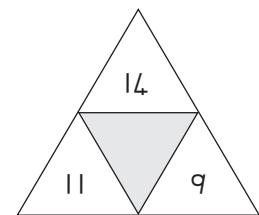
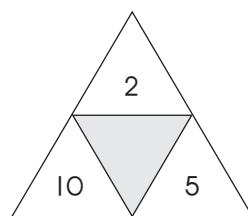
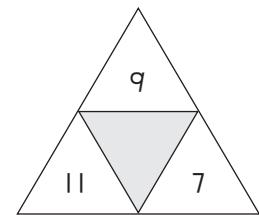
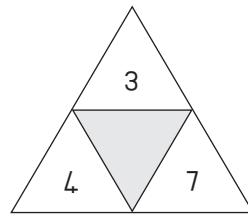
$$26$$

$$19 + 7 =$$

$$33$$

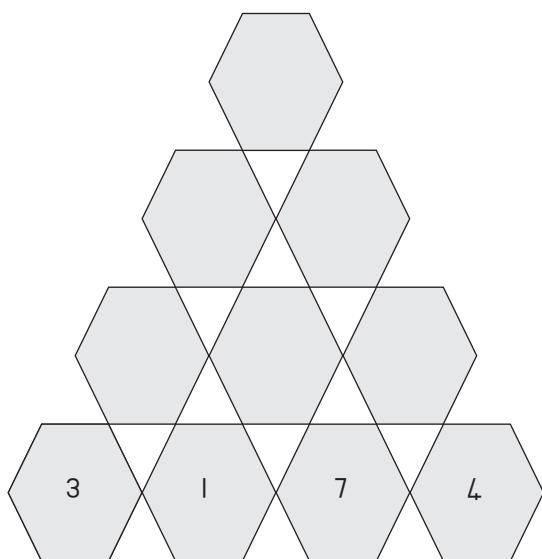
Enrichment Activity 4.22

Add the numbers to find the number in the middle.



Enrichment Activity 4.23

The number in each hexagon is made up by adding the numbers in the two hexagons below it. Calculate the missing numbers.



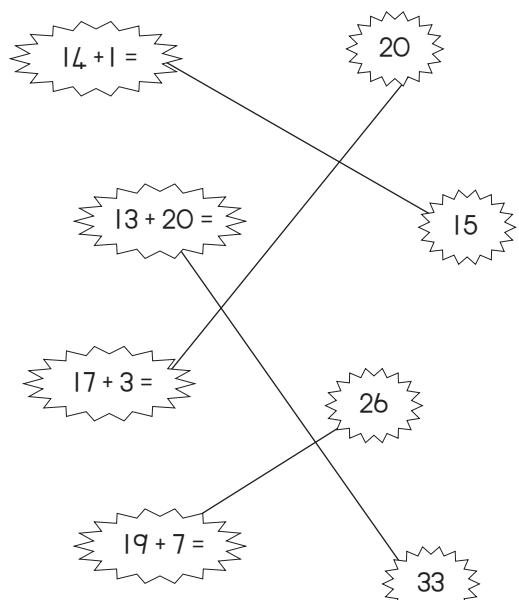
Enrichment Activity 4.24

Calculate each row of the puzzle.
Fill in the answers. Calculate each column of the puzzle.

14	+	2	=	
+		+		+
3	+	7	=	
=		=		=
	+		=	

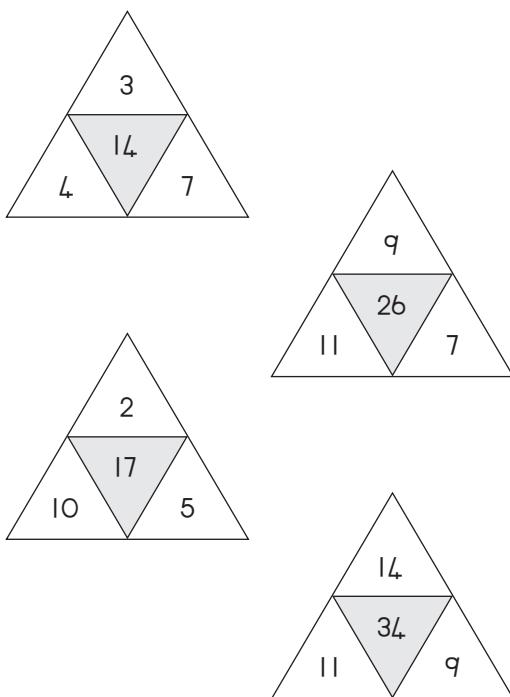
Enrichment Activity 4.21: Answers

Calculate the following and draw a line to the answer.



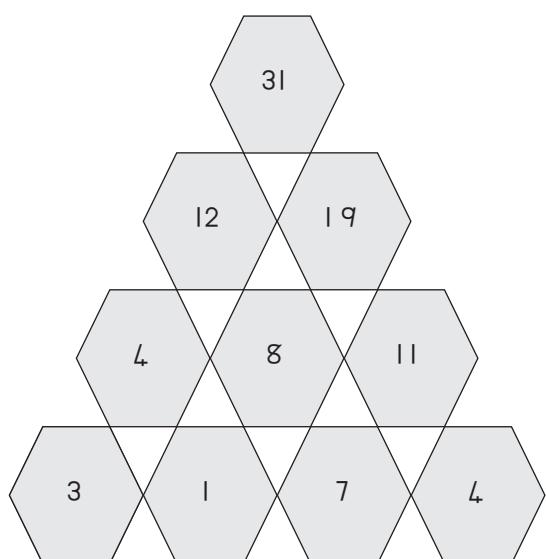
Enrichment Activity 4.22: Answers

Add the numbers to find the number in the middle.



Enrichment Activity 4.23: Answers

The number in each hexagon is made up by adding the numbers in the two hexagons below it. Calculate the missing numbers.



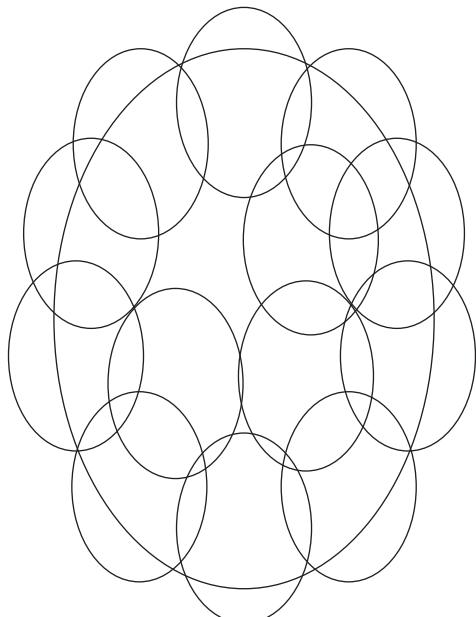
Enrichment Activity 4.24: Answers

Calculate each row of the puzzle.
Fill in the answers. Calculate each column of the puzzle.

14	+	2	=	16
+		+		+
3	+	7	=	10
=		=		=
17	+	q	=	26

Enrichment Activity 4.25

How many ovals do you see?



11

24

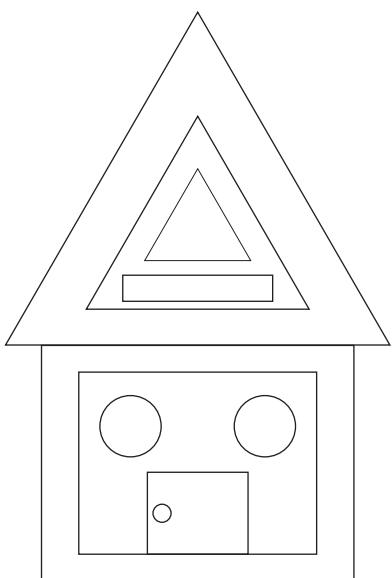
14

Enrichment Activity 4.26

Colour all the red.

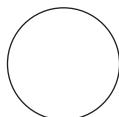
Colour all the yellow.

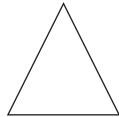
Colour all the blue.

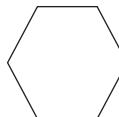
**Enrichment Activity 4.27**

Name the different shapes.



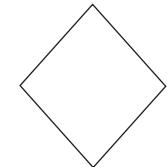
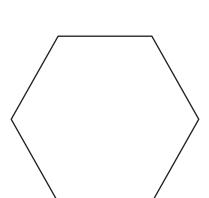
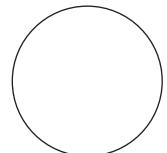
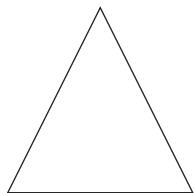
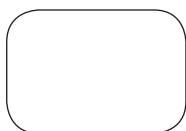
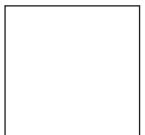






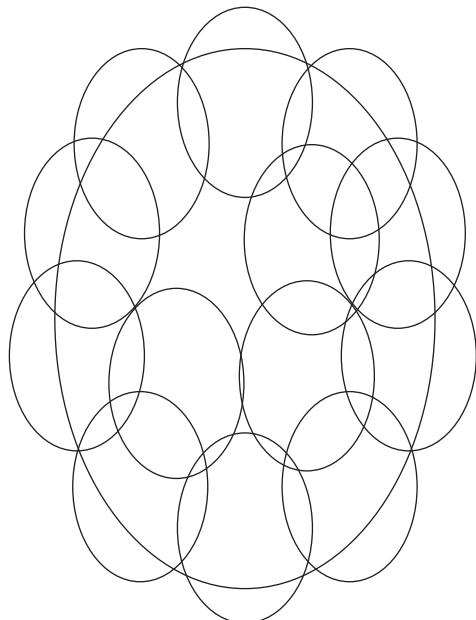
Enrichment Activity 4.28

Use these shapes and draw something that you like.



Enrichment Activity 4.25: Answers

How many ovals do you see?



11

24

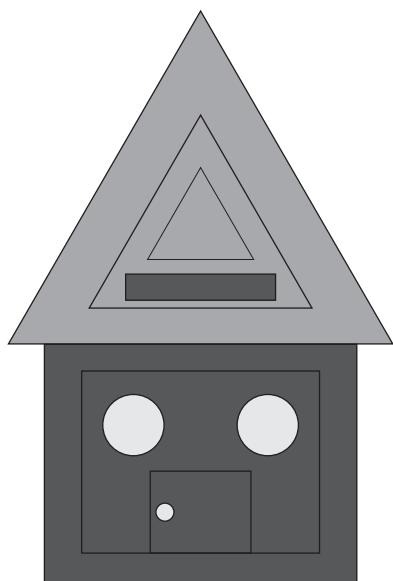
14

Enrichment Activity 4.26: Answers

Colour all the red.

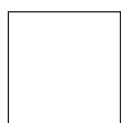
Colour all the yellow.

Colour all the blue.

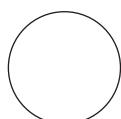


Enrichment Activity 4.27: Answers

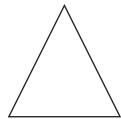
Name the different shapes.



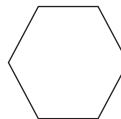
Square



Circle



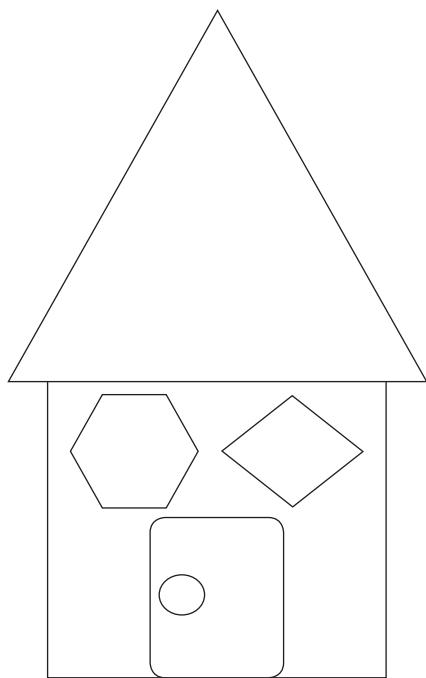
Triangle



Hexagon

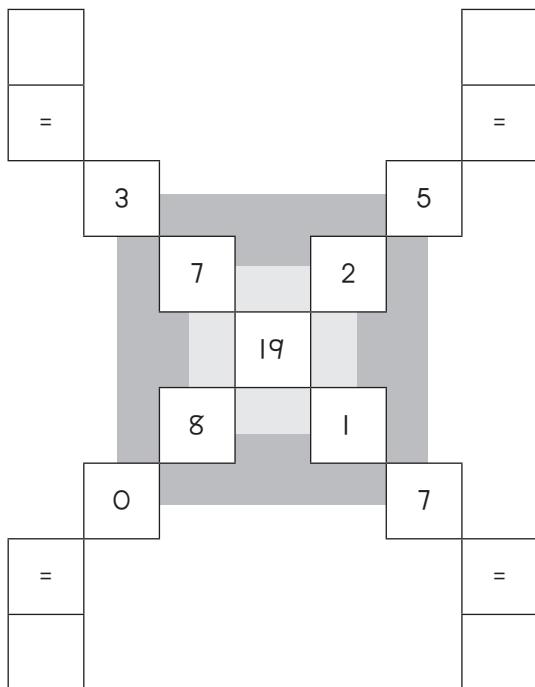
Enrichment Activity 4.28: Answers

Use these shapes and draw something that you like.



Enrichment Activity 4.29

Add each row of numbers to get an answer.



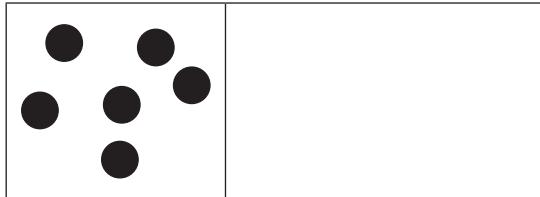
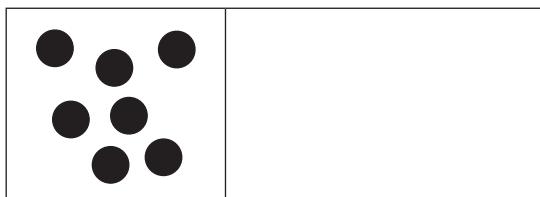
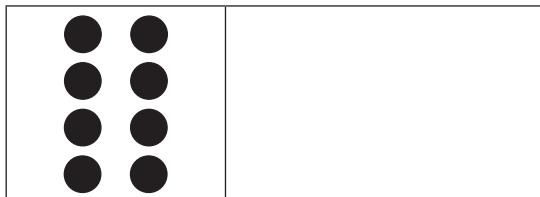
Enrichment Activity 4.30

Write the number names for each of the following numbers.

8	
2	
3	
7	
9	
10	
15	
12	
30	
25	
100	

Enrichment Activity 4.31

Count and draw 10 more counters on the right hand side.



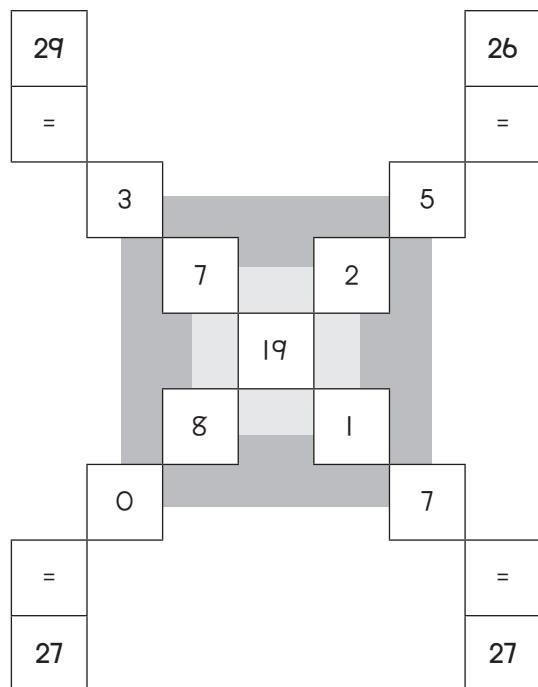
Enrichment Activity 4.32

Which number is bigger?
Circle the bigger number.

- | | | |
|----|----|-----|
| 10 | or | 100 |
| 12 | or | 21 |
| 15 | or | 51 |
| 16 | or | 61 |
| 31 | or | 13 |
| 17 | or | 72 |
| 20 | or | 21 |
| 52 | or | 25 |
| 10 | or | 1 |

Enrichment Activity 4.29: Answers

Add each row of numbers to get an answer.



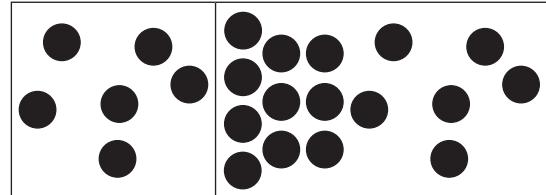
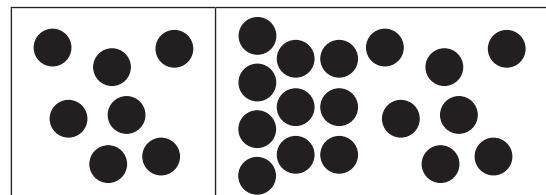
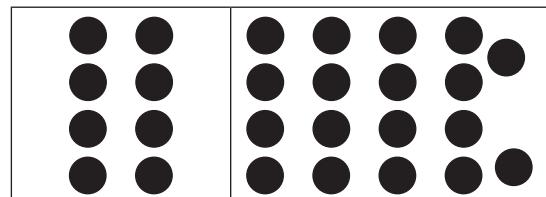
Enrichment Activity 4.30: Answers

Write the number names for each of the following numbers.

8	eight
2	two
3	three
7	seven
9	nine
10	ten
15	fifteen
12	twelve
30	thirty
25	twenty five
100	one hundred

Enrichment Activity 4.31: Answers

Add 10 and draw your answer on the right hand side.



Enrichment Activity 4.32: Answers

Which number is bigger?

Circle the bigger number.

- | | | |
|----|------|-----|
| 10 | goba | 100 |
| 12 | goba | 21 |
| 15 | goba | 51 |
| 16 | goba | 61 |
| 31 | goba | 13 |
| 17 | goba | 72 |
| 20 | goba | 21 |
| 52 | goba | 25 |
| 10 | goba | 1 |

Enrichment Activity Cards: Sepedi 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.

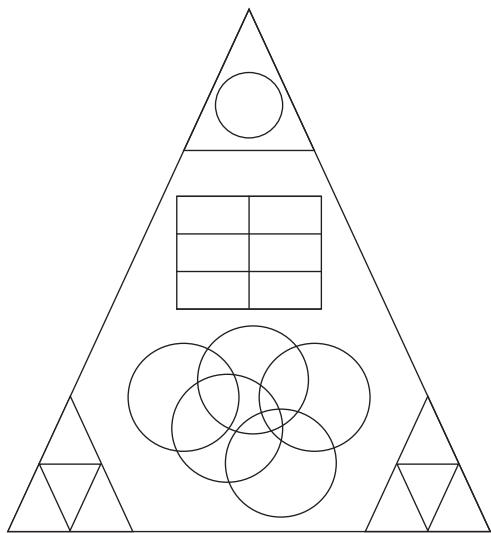
These cards include activities that you can use for enrichment opportunities for learners who have completed the lesson activities ahead of the rest of the class. Learners should work on these cards independently or with their peers who have also completed the classwork. You may need to explain some 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.

Mošomo wa matlafatšo 4.1

Bala dibopego tša go fapanā.



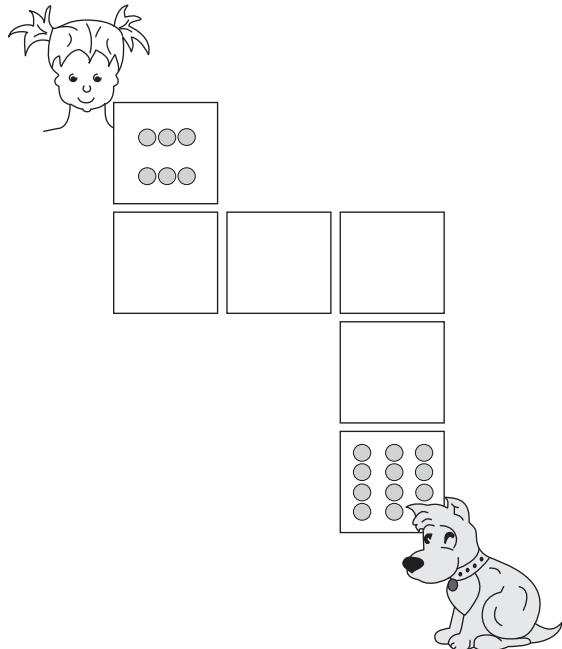
Na go nale \triangle tše kae? _____

Na go nale \square tše kae? _____

Na go nale \circ tše kae? _____

Mošomo wa matlafatšo 4.2

Thuša Sarah go humana mpša ya gagwe ye e timetšego ka go tlatša dibaledi ka moka.



Mošomo wa matlafatšo 4.3

Šoma dipalo tše gomme o feleletše phasele ya go putla ya mantšu ka go tlatša mainapalo.

Fase

$$1. 6 + 5 =$$

$$2. 4 \times 2 =$$

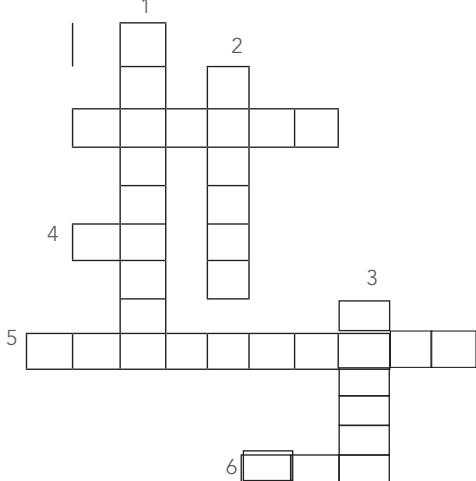
$$3. 5 \times 2 =$$

Go putla

$$4. 3 \times 2 =$$

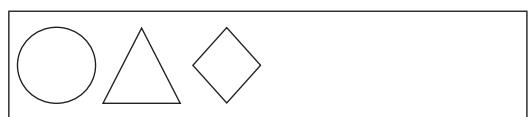
$$5. 4 \times 3 =$$

$$6. 20 - 19 =$$



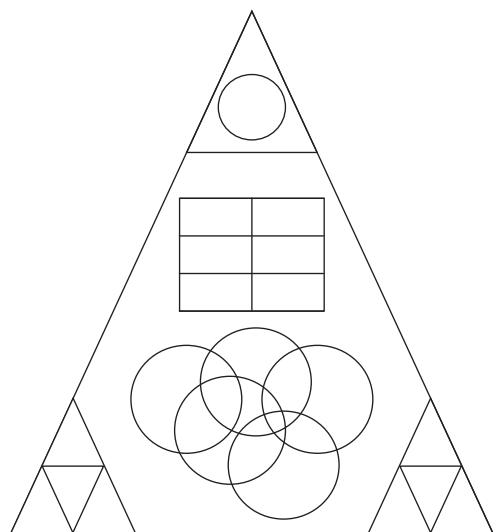
Mošomo wa matlafatšo 4.4

Feleletša dipaterone tše di latelago.



Mošomo wa matlafatšo 4.1: Dikarabo

Bala dibopego tša go fapanā.



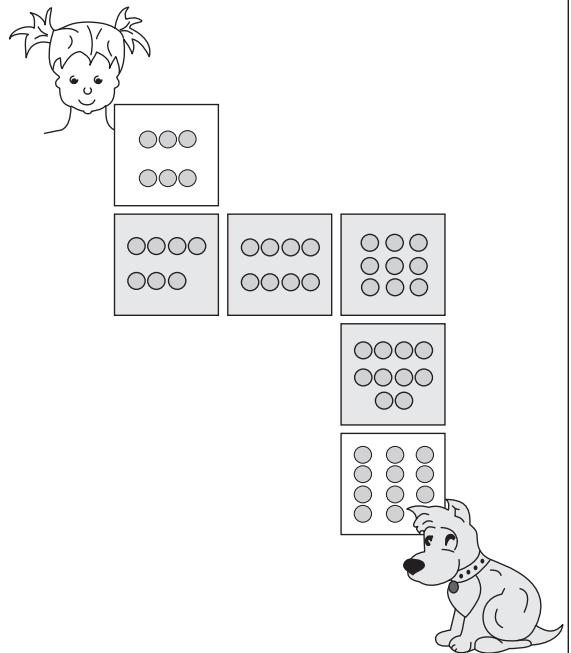
Na go nale tše kae? (12)

Na go nale tše kae? (14)

Na go nale tše kae (6)

Mošomo wa matlafatšo 4.2: Dikarabo

Thuša Sarah go humana mpša ya gagwe ye e timetšego ka go tlatša dibaledi ka moka.



Mošomo wa matlafatšo 4.3: Dikarabo

Šoma dipalo tše gomme o feleletše phasele ya go putla ya mantšu ka go tlatša mainapalo:

Fase

$$1. 6 + 1 =$$

$$2. 4 \times 2 =$$

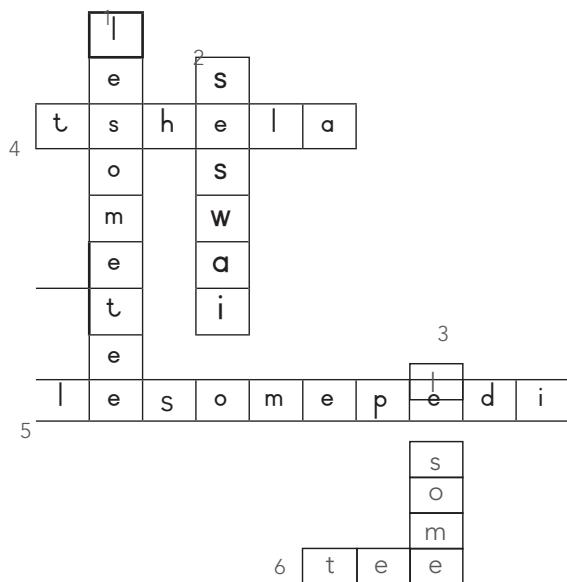
$$3. 5 \times 2 =$$

Go putla

$$4. 3 \times 2 =$$

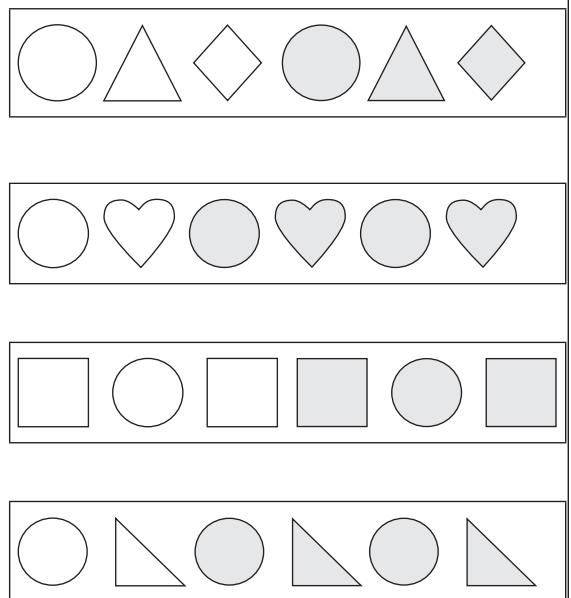
$$5. 4 \times 3 =$$

$$6. 20 - 19 =$$



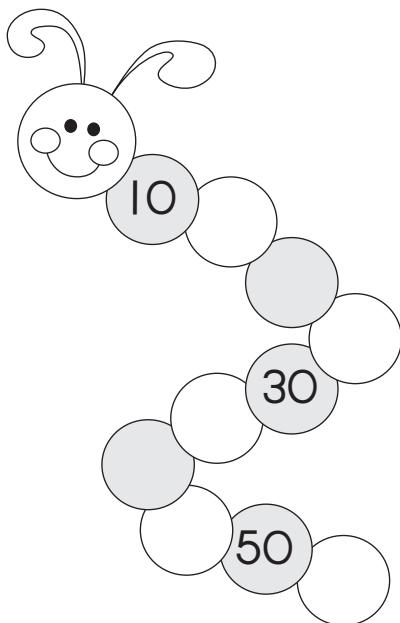
Mošomo wa matlafatšo 4.4: Dikarabo

Feleletša dipaterone tše di latelago.



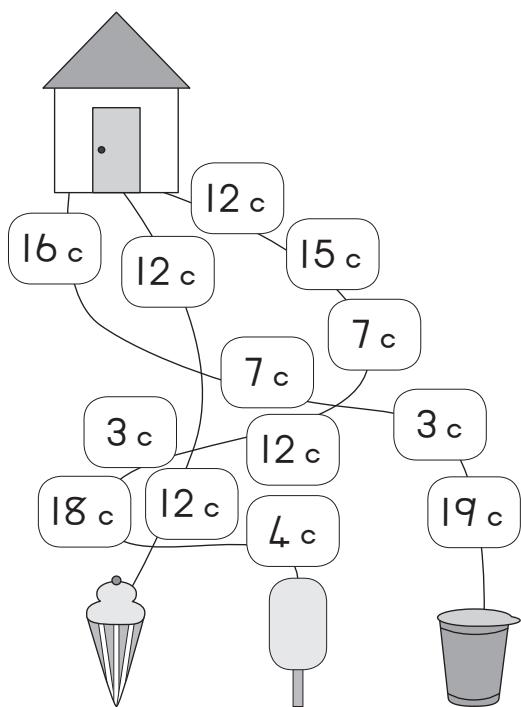
Mošomo wa matlafatšo 4.5

Nyaka paterone gomme o feleletše seboko.



Mošomo wa matlafatšo 4.7

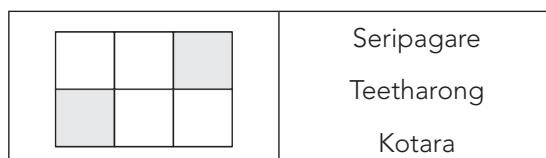
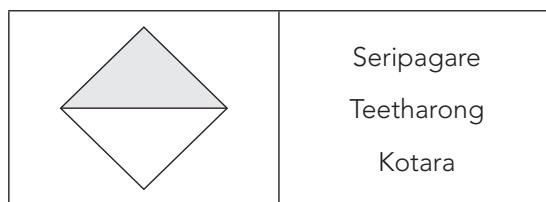
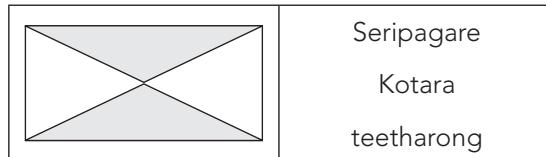
Latela ditsejana gomme o raretše lebebetsididi la theko ya fase.



Mošomo wa matlafatšo 4.6

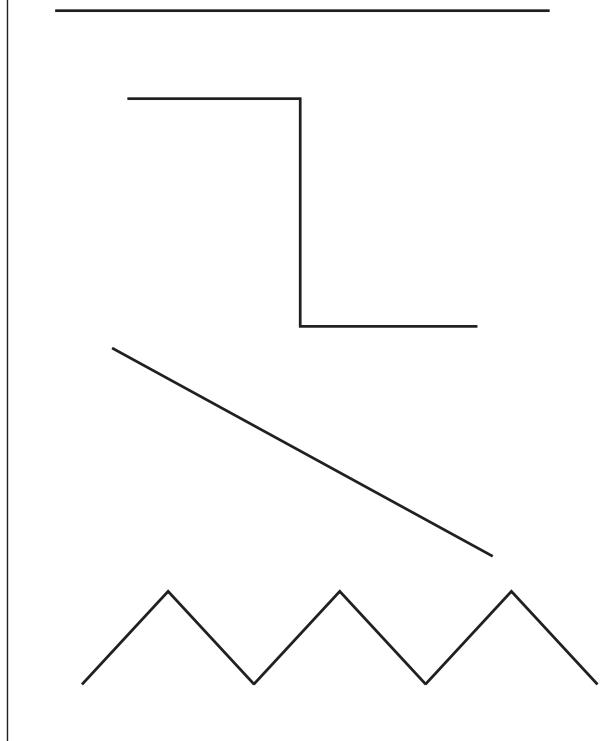
Na ke sebopego goba dibopego dife tše di khalarilwego?

Kgetha karabo ye e nepagetšego.



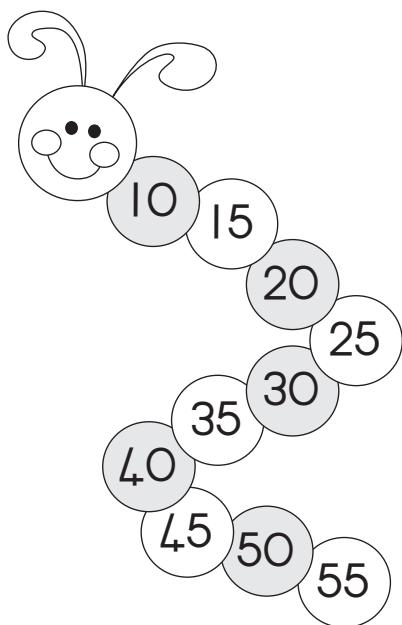
Mošomo wa matlafatšo 4.8

Raretša mothaladi wo motelele. O ka šomiša rula go kala methalo.



Mošomo wa matlafatšo 4.5 Dikarabo

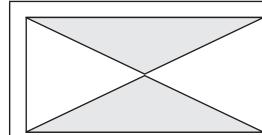
Nyaka paterone gomme o feleletše seboko



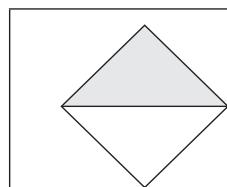
Mošomo wa matlafatšo 4.6: Dikarabo

Na ke dipalophatlo dife tše di khalarilwego?

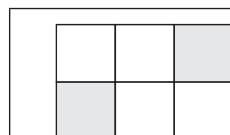
Kgetha karabo ye e nepagetšego



Seripagare



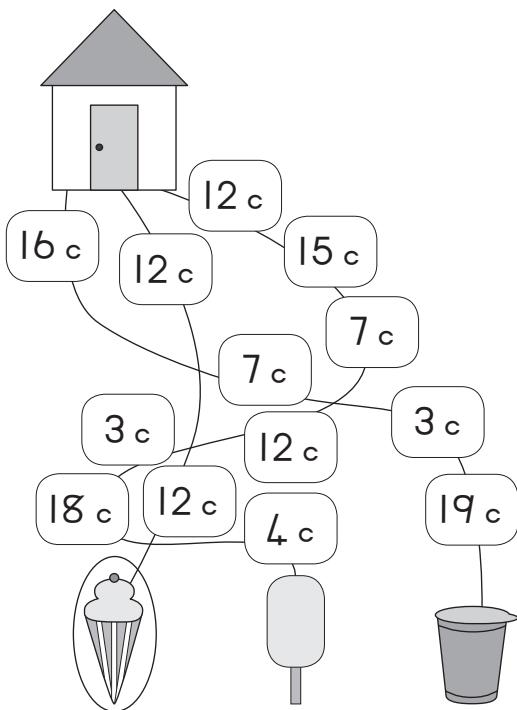
Seripagare



Tee tharong

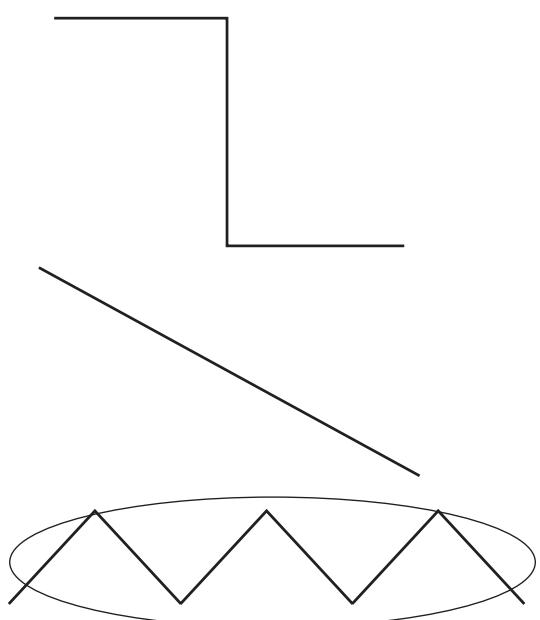
Mošomo wa matlafatšo 4.7 Dikarabo

Latela ditsejana gomme o raretše lebebetsididi la theko ya fase.



Mošomo wa matlafatšo 4.8: Dikarabo

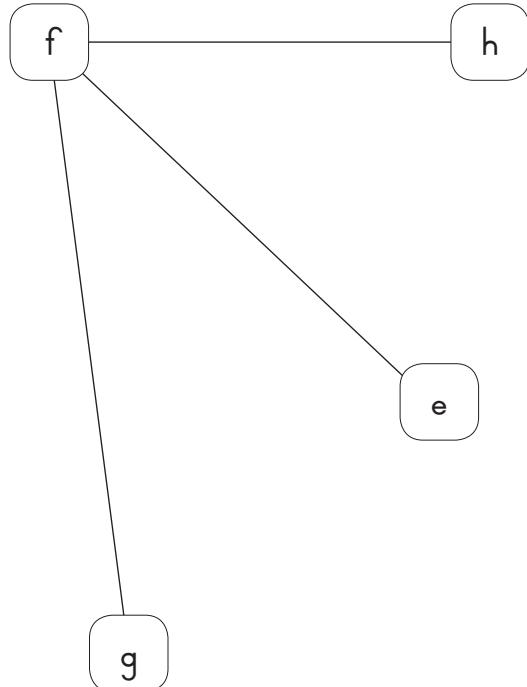
Raretša mothaladi wo motelele. O ka šomiša rula go kala methalo .



Mošomo wa matlafatšo 4.9

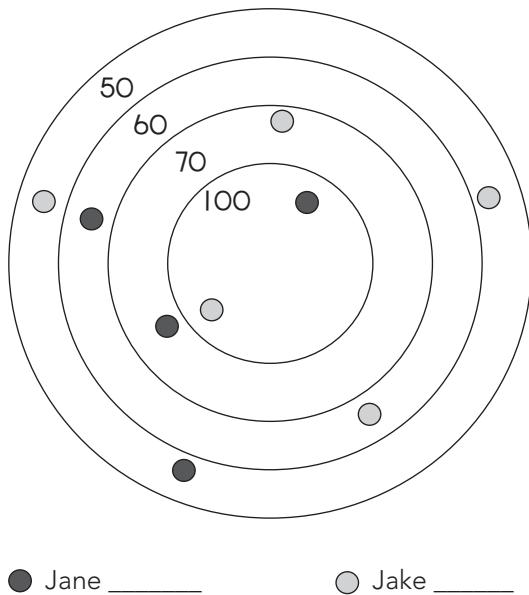
Ke mothalo ofe o motelele kudu? Raretša karabo ya gago.

E goya go F; F go ya go G; goba F go ya go H?



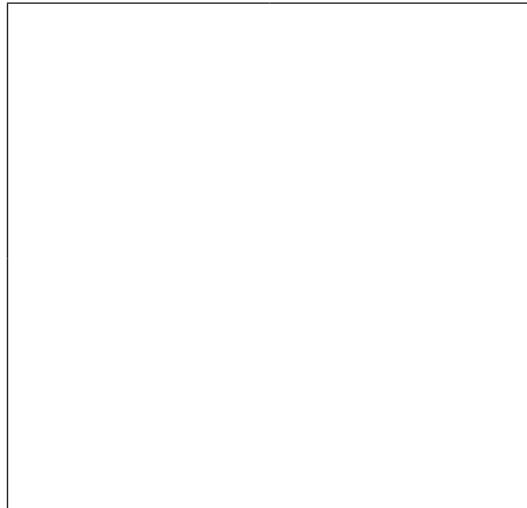
Mošomo wa matlafatšo 4.10

Jane le Jake ba raloka memabolo. Hlakantšha dinthla tša bona go re o bone mofenyi.



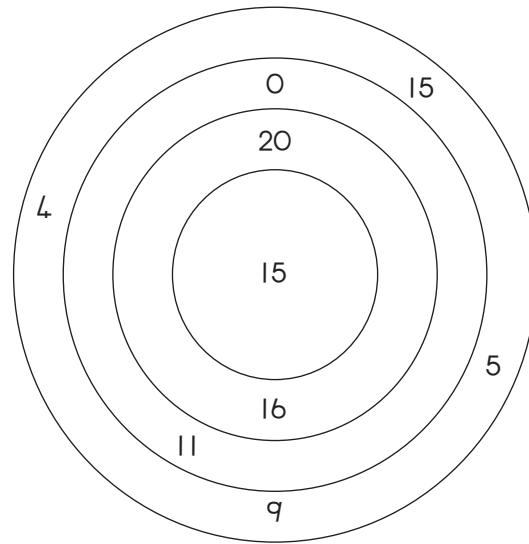
Mošomo wa matlafatšo 4.11

Arola sekwere se ka dikwere tše dinnnyane tše 6.



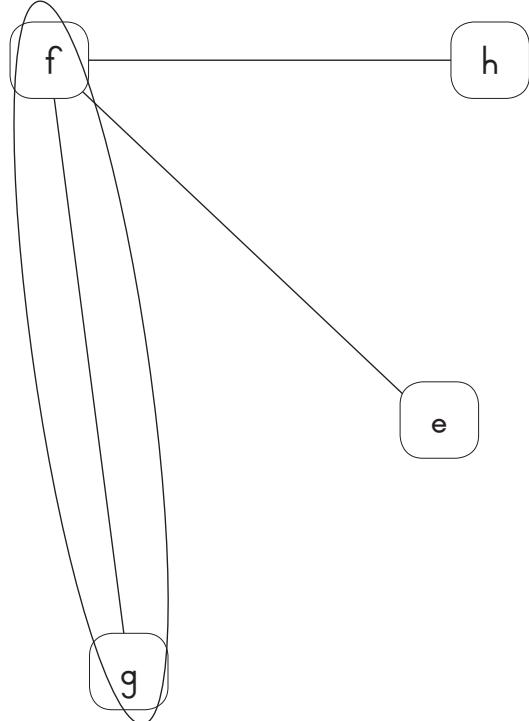
Mošomo wa matlafatšo 4.12

Šomiša dinomoro go bona gore o ka dira dipalo tše kae tše o karabo ya tšona e lego 20.



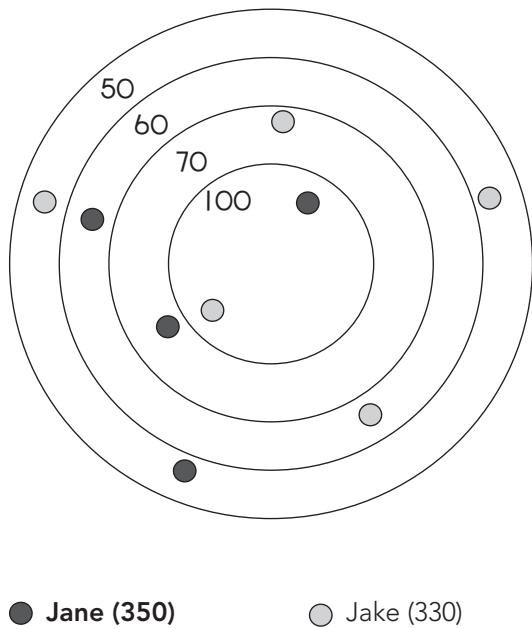
Mošomo wa matlafatšo 4.9: Dikarabo

Ke mothalo ofe o motelele kudu? Raretša karabo ya gago. E goya go F; F go ya go G; goba F go ya go H?



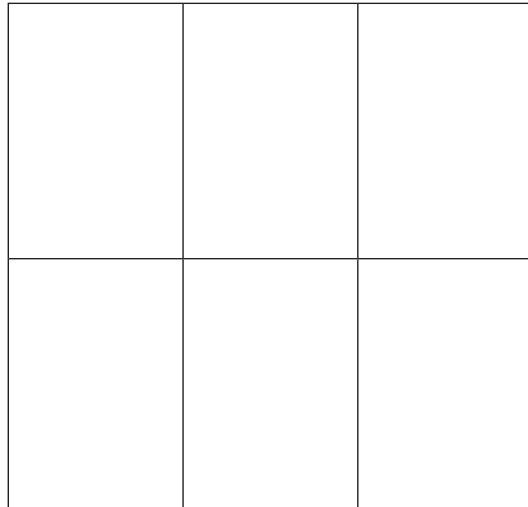
Mošomo wa matlafatšo 4.10: Dikarabo

Jane le Jake ba raloka memabolo.
Hlakantšha dinthla tša bona go re o bone mofenyi.



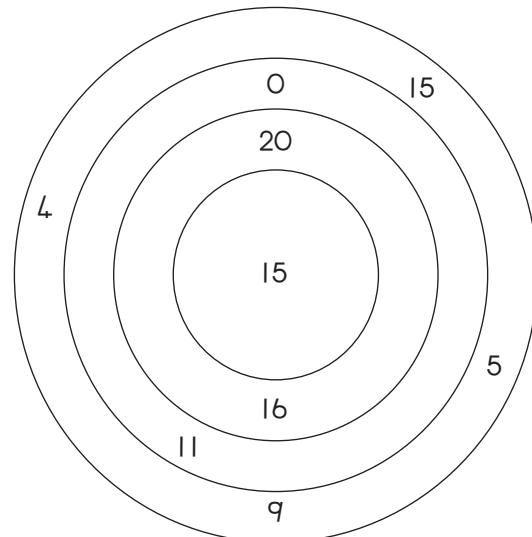
Mošomo wa matlafatšo 4.11: Dikarabo

Arola sekwere se ka dikwere tše dinnnyane tše 6.



Mošomo wa matlafatšo 4.12: Dikarabo

šomiša dinomoro go bona gore o ka dira dipalo tše kae tše karabo ya tšona elego 20.



O ka dira dipalo tše 4:

$$20 + 0, 15 + 5, 11 + 9, 16 + 4$$

Mošomo wa matlafatšo 4.13

Nyalantšha dipalo tše di lego ka go ploko ya A le tše di lego ka go ploko ya B.

Ploko A
$5 \times 4 =$
$20 \times 2 =$
$16 + 3 =$
$12 + 6 =$
$60 + 3 =$
$10 \times 7 =$
$40 \times 0 =$
$27 + 1 =$
$14 + 9 =$

Ploko B
40
18
0
63
23
28
70
20
19

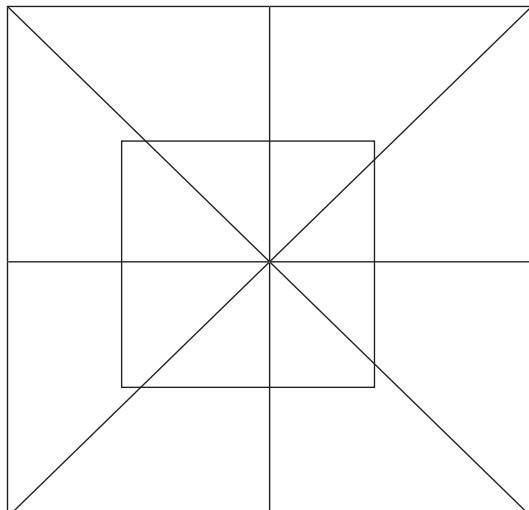
Mošomo wa matlafatšo 4.14

Leka go šoma dipalo ka diplokong tše.

+	8	1	50
2			
4			
6			
8			
10			

Mošomo wa matlafatšo 4.15

Na o bona di \triangle tše kae?



Dikhulotharo tše 12

Dikhulotharo tše 26

Dikhulotharo tše 33

Dikhulotharo tše 20

Mošomo wa matlafatšo 4.16

Nyalantšha dinomoro le mainapalo.

Dinomoro	Mainapalo
20	Lesomepedi
10	Lesomesenyane
90	Masomepedi
19	Masomesenyane
12	Lesome
14	Masomenne
40	Lesomenne

Mošomo wa matlafatšo 4.13: Dikarabo

Nyalantšha dipalo tše di lego ka go ploko ya A le tše di lego ka go ploko ya B.

Ploko A	Ploko B
$5 \times 4 =$	40
$20 \times 2 =$	18
$16 + 3 =$	0
$12 + 6 =$	63
$60 + 3 =$	23
$10 \times 7 =$	28
$40 \times 0 =$	70
$27 + 1 =$	20
$14 + 9 =$	19

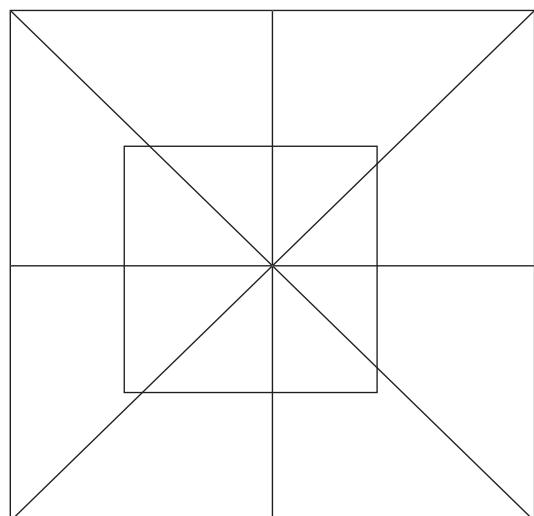
Mošomo wa matlafatšo 4.14: Dikarabo

Leka go šoma dipalo ka diplokong tše

+	8	1	50
2	10	3	52
4	12	5	54
6	14	7	56
8	16	9	58
10	18	11	60

Mošomo wa matlafatšo 4.15: Dikarabo

Na o bona di \triangle tše kae?



Dikhutlotharo tše **-26**

Mošomo wa matlafatšo 4.16: Dikarabo

Nyalantšha dinomoro le mainapalo

Dinomoro	Mainapalo
20	Masomepedi
10	Lesome
90	Masomesenyane
19	Lesomesenyane
12	Lesomepedi
14	Lesomenne
40	masomenne

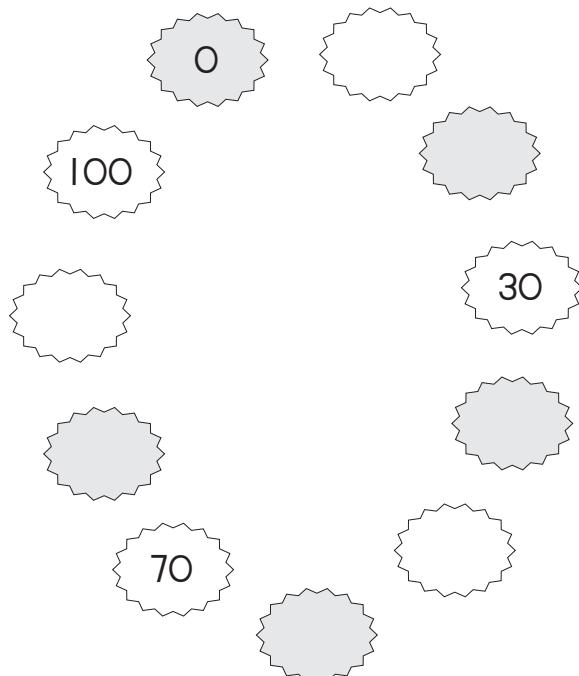
Mošomo wa matlafatšo 4.17

Feleletša tafola ka go šoma dipalo.

x	5	4	2
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

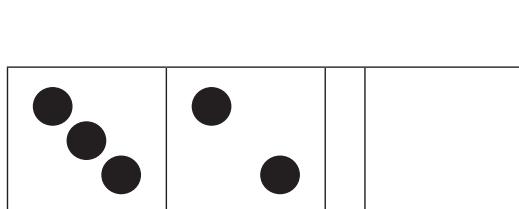
Mošomo wa matlafatšo 4.18

Feleletša paterone.

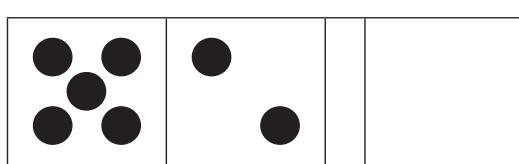
**Mošomo wa matlafatšo 4.19**

Hlakantšha marontho godimo ga domino gomme o tlatše Dikarabo.

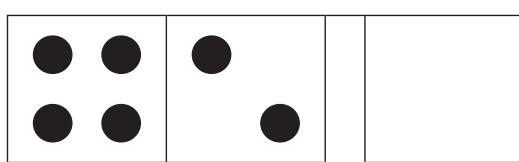
Na e tla ba bokae?



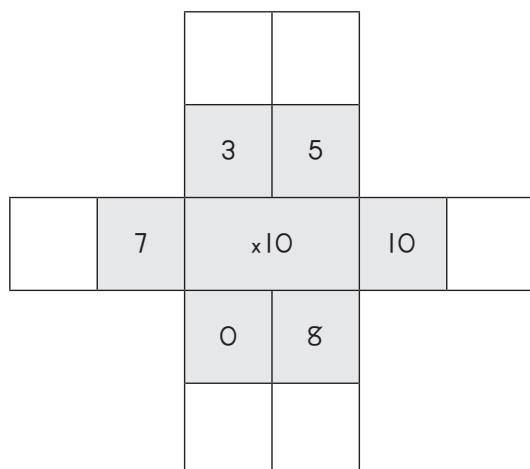
Na e tla ba bokae?



Na e tla ba bokae?

**Mošomo wa matlafatšo 4.20**

Atiša nomoro ya gare le dinomoro tše dingwe tša ka ntle.



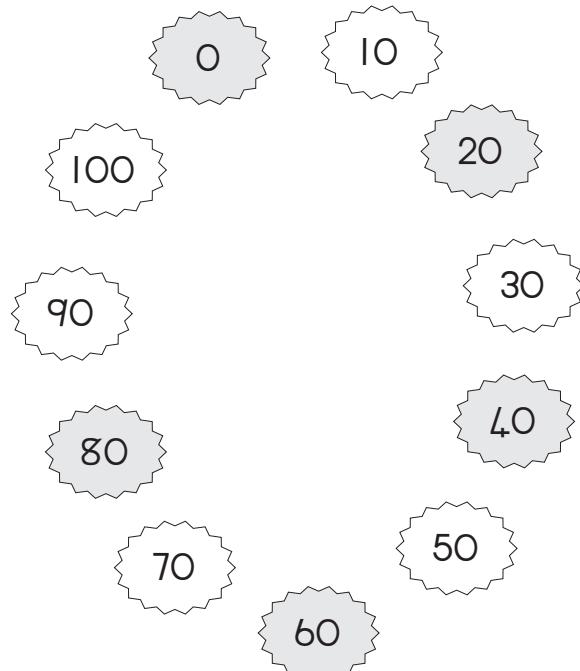
Mošomo wa matlafatšo 4.17: Dikarabo

Feleletša tafola ka go šoma dipalo.

x	5	4	2
1	5	4	3
2	10	8	4
4	15	7	12
4	20	16	8
5	25	20	10
6	30	24	12
7	35	28	14
8	40	32	16
9	45	36	18
10	50	40	20

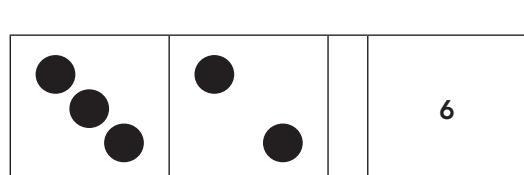
Mošomo wa matlafatšo 4.18; Dikarabo

Feleletša paterone.

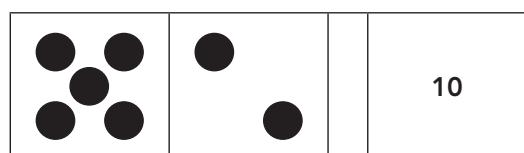
**Mošomo wa matlafatšo 4.19: Dikarabo**

Atiša marontho godimo ga domino gomme o tlatše Dikarabo.

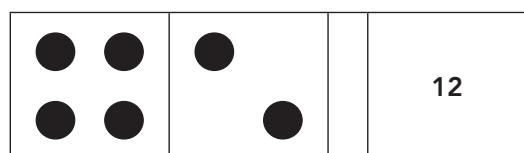
Na e tla ba bokae?



Na e tla ba bokae?



Na e tla ba bokae?

**Mošomo wa matlafatšo 4.20: Dikarabo**

Atiša nomoro ya gare le dinomoro tše dingwe tša ka ntle.

30	50			
3	5			
70	7	x10	10	100
0	8			
0	80			

Mošomo wa matlafatšo 4.21

Balela tše dipalo tše di latelago gomme o thale mothalo go ya go karabo ya maleba

$$14 + 1 =$$

$$20$$

$$13 + 20 =$$

$$15$$

$$17 + 3 =$$

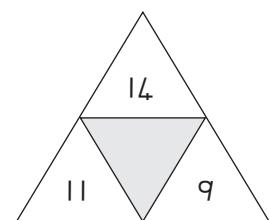
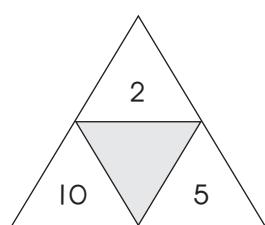
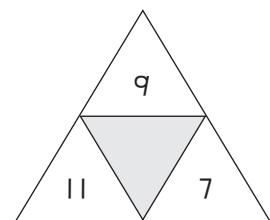
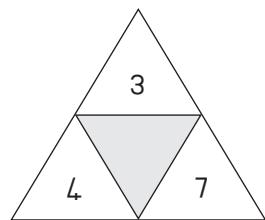
$$26$$

$$19 + 7 =$$

$$33$$

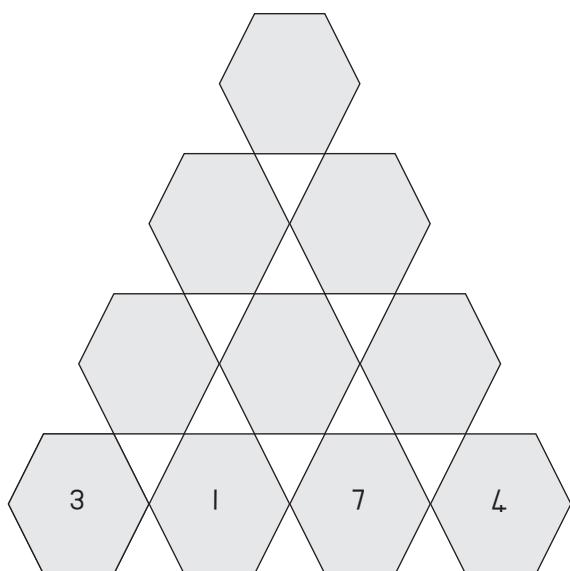
Mošomo wa matlafatšo 4.22

Hlakantšha dinomoro gore o kgone go humana nomoro ya gare



Mošomo wa matlafatšo 4.23

Nomoro yenngwe le yenngwe mo go khutlotshela e bopilwe ka go hlakantšha dinomoro tša ka gare ga dikhutlotshela tše 2 tša ka tlase ga yona. Balela dinomoro tše di tlogetšwego.



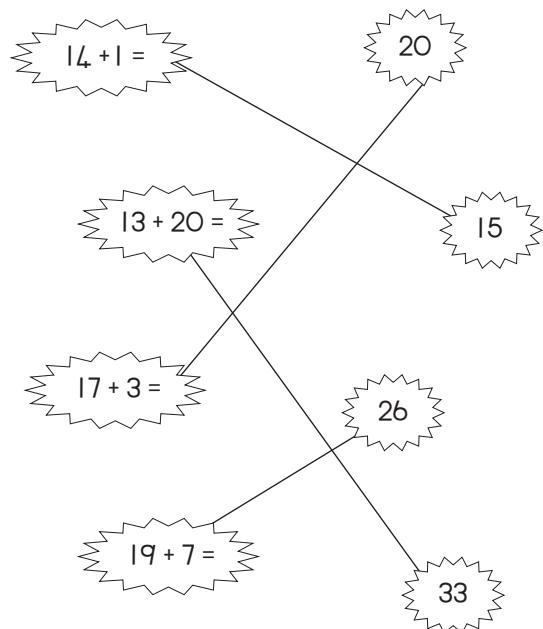
Mošomo wa matlafatšo 4.24

Balela mothaladi wo mongwe le wo mongwe wa phasele. Tlatša Dikarabo. Balela kholomo yenngwe le yenngwe ya phasele.

14	+	2	=	
+		+		+
3	+	7	=	
=		=		=
	+		=	

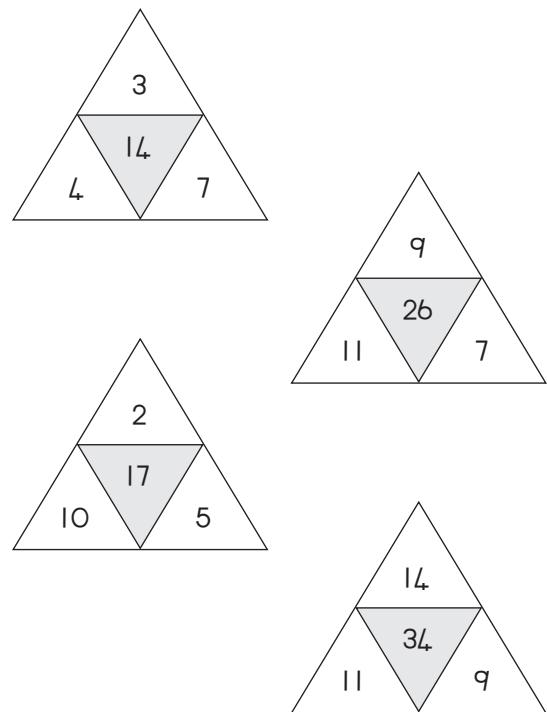
Mošomo wa matlafatšo 4.21: Dikarabo

Balela tše dipalo tše di latelago gomme o thale mothalo go ya go karabo ya maleba.



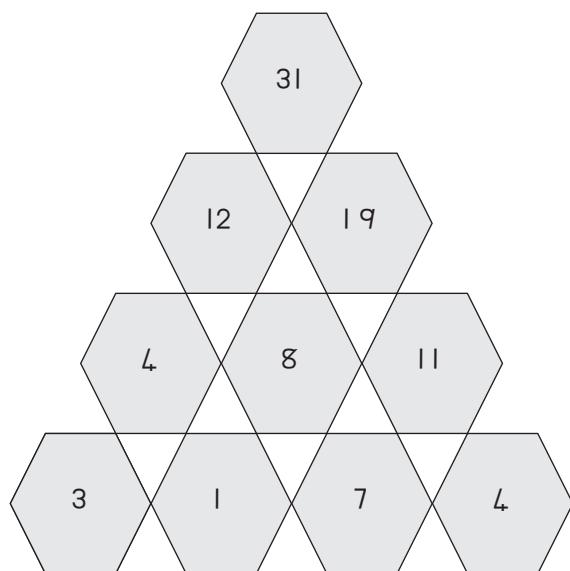
Mošomo wa matlafatšo 4.22: Dikarabo

Hlakantšha dinomoro gore o kgone go humana nomoro ya gare.



Mošomo wa matlafatšo 4.23: Dikarabo

Nomoro yenngwe le yenngwe mo go khutlotshela e bopilwe ka go hlakantšha dinomoro tša ka gare ga dikhutlotshela tše 2 tša ka tlase ga yona. Balela dinomoro tše di tlogetšwego.



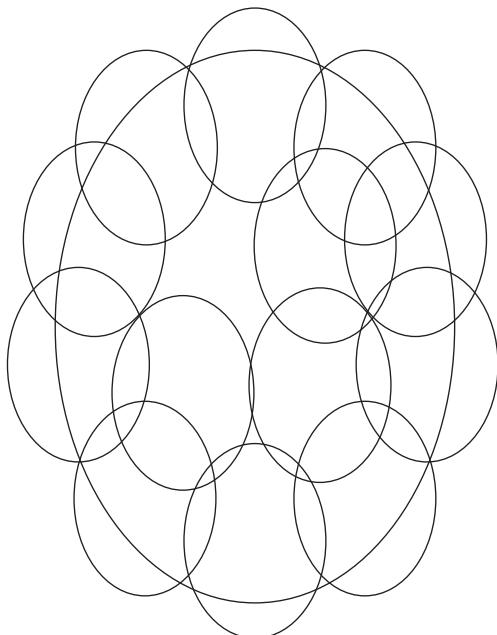
Mošomo wa matlafatšo 4.24: Dikarabo

Balela mothaladi wo mongwe le wo mongwe wa phasele. Tlatša Dikarabo. Balela kholomo yenngwe le yenngwe ya phasele

14	+	2	=	16
+		+		+
3	+	7	=	10
=		=		=
17	+	q	=	26

Mošomo wa matlafatšo 4.25

Na o bona di ovale tše kae?



11

24

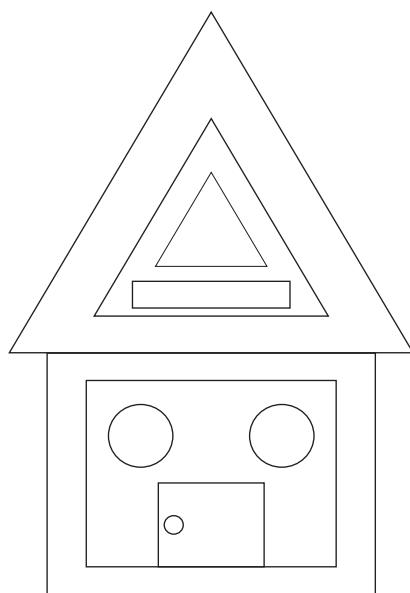
14

Mošomo wa matlafatšo 4.26

Khalara di khibidu kamoka ka

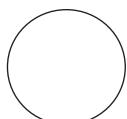
Khalara di serolwane kamoka ka

Khalara di talalerata. kamoka ka

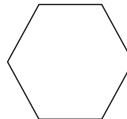
**Mošomo wa matlafatšo 4.27**

Ngwala maina a dibopego tše go fapano.



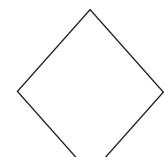
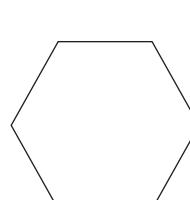
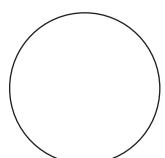
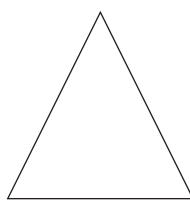
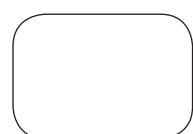






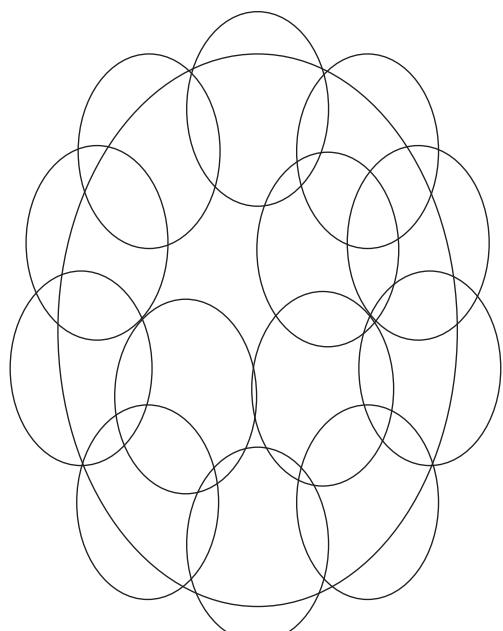
Mošomo wa matlafatšo 4.28

Šomiša dibopego tše go thala seswantšho seo o se ratago.



Mošomo wa matlafatšo 4.25: Dikarabo

Na o bona di ovale tše kae?



11

24

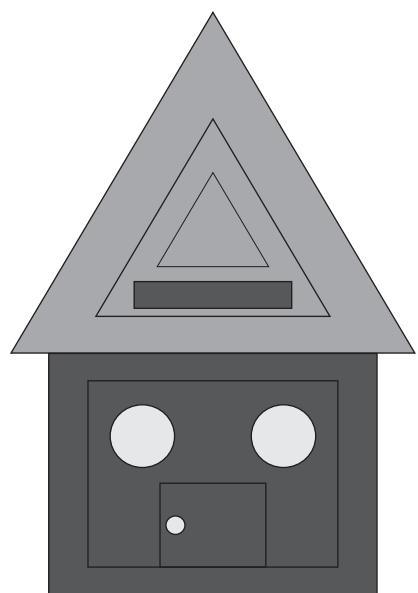
14

Mošomo wa matlafatšo 4.26: Dikarabo

Khalara di khwibidu .kamoka ka

Khalara d serolwane .kamoka ka

Khalara di talalerata. . kamoka ka

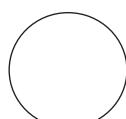


Mošomo wa matlafatšo 4.27;Dikarabo

Ngwala maina a dibopego tše go fapanan.



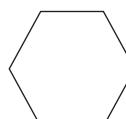
Sekwere



Sediko



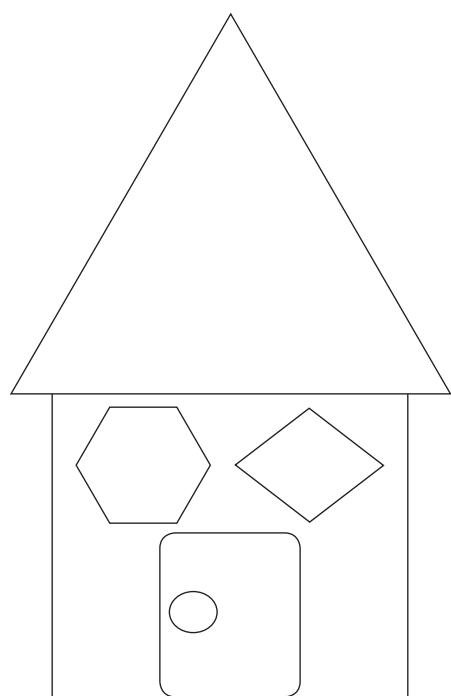
Khutlotharo



Khutlohlano

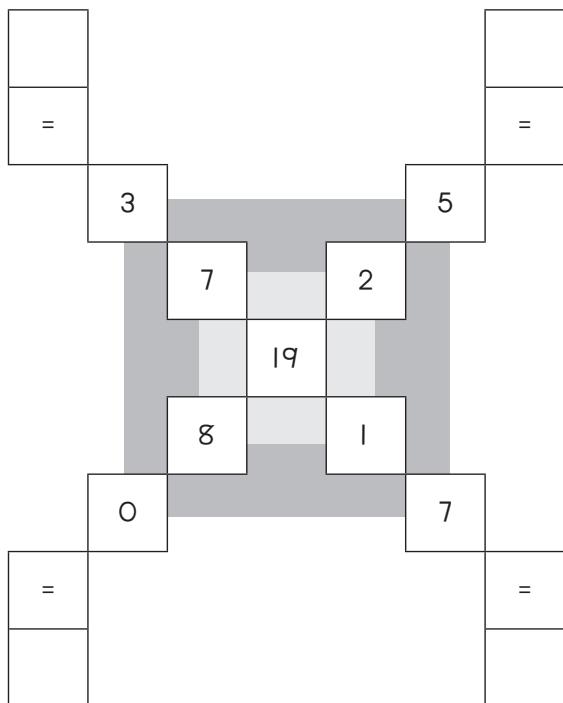
Mošomo wa matlafatšo 4.28: Dikarabo

Šomiša dibopego tše go thala seswantšho seo o se ratago. Dikarabo di tla fapanan.



Mošomo wa matlafatšo 4.29

Hlakantšha mothaladi wo mongwe le wo mongwe wa dinomoro go humana karabo.

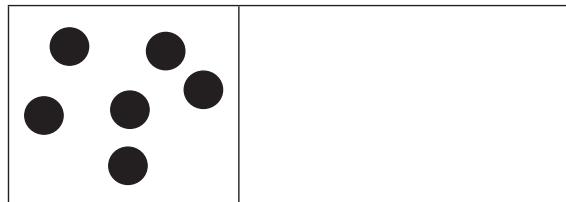
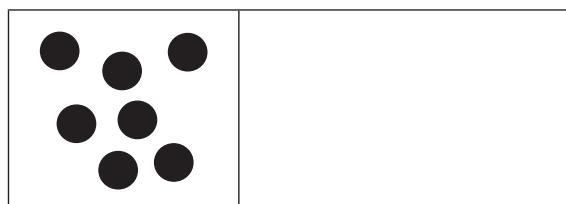
**Mošomo wa matlafatšo 4.30**

Ngwala mainapalo a dinomoro tše di latelago.

8	
2	
3	
7	
q	
10	
15	
12	
30	
25	
100	

Mošomo wa matlafatšo 4.31

Bala o be o thale dibaledi tše 10 ka godimo ka lehlakoreng la go ja.

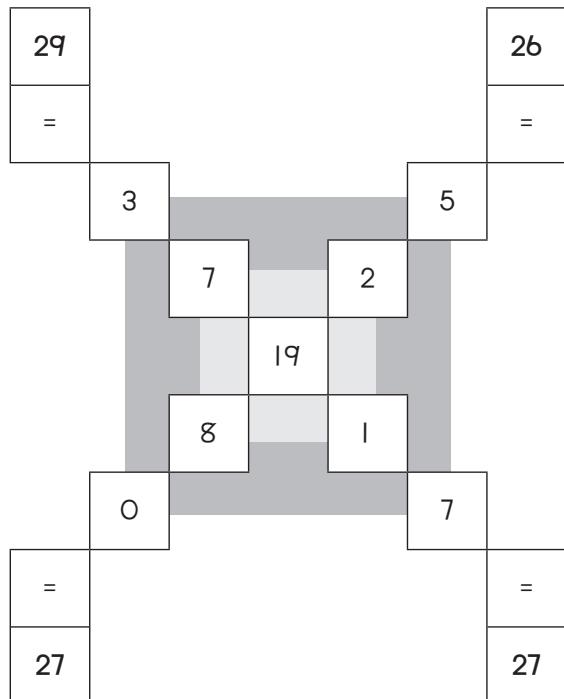
**Mošomo wa matlafatšo 4.32**

Ke nomoro efe ye kgolo? Raretša nomoro ye kgolo bobeding bjo bongwe le bjo bongwe. 10 goba 100

- | | | |
|----|------|----|
| 12 | goba | 21 |
| 15 | goba | 51 |
| 16 | goba | 61 |
| 31 | goba | 13 |
| 17 | goba | 72 |
| 20 | goba | 21 |
| 52 | goba | 25 |
| 10 | goba | 1 |

Mošomo wa matlafatšo 4.29: Dikarabo

Hlakantšha mothaladi wo mongwe le wo mongwe wa dinomoro go humana karabo.



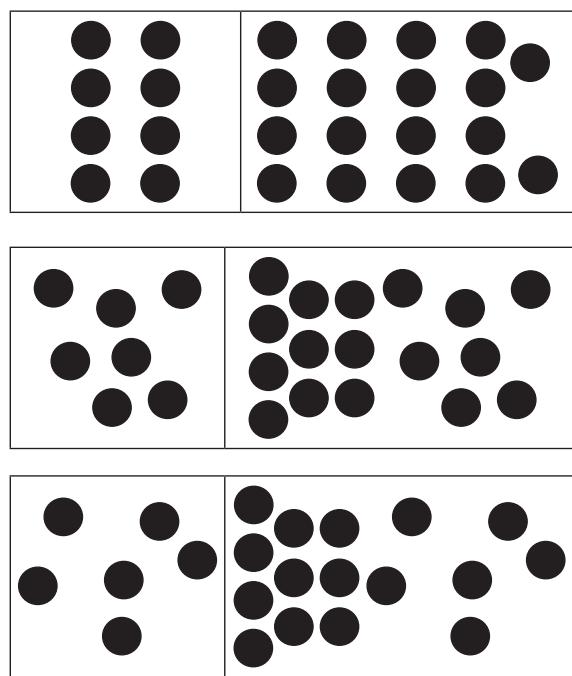
Mošomo wa matlafatšo 4.30: Dikarabo

Ngwala mainapalo a dinomoro tše di latelago.

8	seswai
2	pedi
3	tharo
7	upa
q	senyane
10	lesome
15	lesomehlano
12	lesomepedi
30	masometharo
25	masomepedi hlano
100	lekgolo

Mošomo wa matlafatšo 4.31: Dikarabo

Bala o be o thale dibaledi tše 10 ka godimo ka lehlakoreng la go ja. Add 10 and draw your answer on the right hand side.



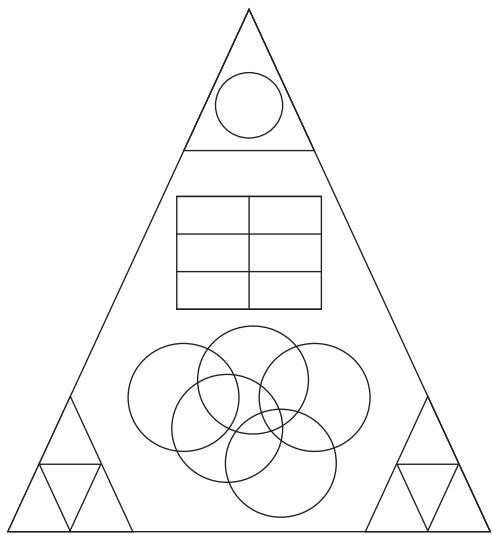
Mošomo wa matlafatšo 4.32: Dikarabo

Ke nomoro efe ye kgolo? Raretša nomoro ye kgolo bobeding bjo bongwe le bjo bongwe.

- | | | |
|------|------|-----|
| 10 | goba | 100 |
| 12 | goba | 21 |
| 15 | goba | 51 |
| 16 | goba | 61 |
| (31) | goba | 13 |
| 17 | goba | 72 |
| 20 | goba | 21 |
| (52) | goba | 25 |
| (10) | goba | 1 |

Mfumiso wa Nghingiriko 4.1

Hlayela swivumbeko swo hambarahambana.



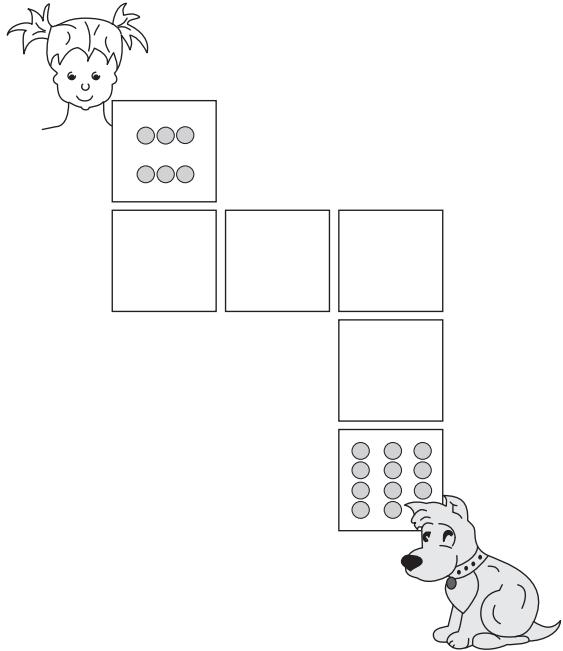
Ku na swingani? _____

Ku na swingani? _____

Ku na swingani? _____

Mfumiso wa Nghingiriko 4.2

Pfuna Sarah ku kuma mbyana ya yena leyi nga lahleka hi ku tatisa nomboro ya tidoto ka khawutara yin'wana na yin'wana.



Mfumiso wa Nghingiriko 4.3

Tirha tinhlayo ku hetisa phazili hi ku tatisa mavito ya tinomboro:

Hans

$$1. 6 + 1 =$$

$$2. 4 \times 2 =$$

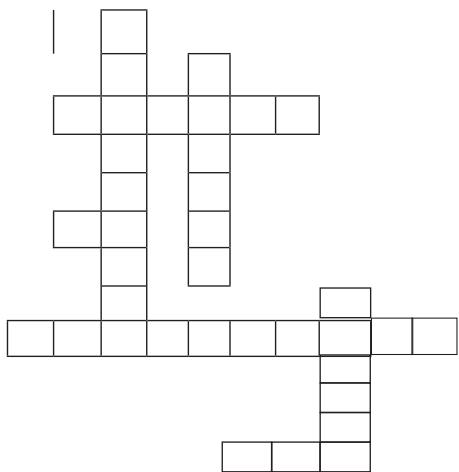
$$3. 5 \times 2 =$$

Tsemakanya

$$4. 3 \times 2 =$$

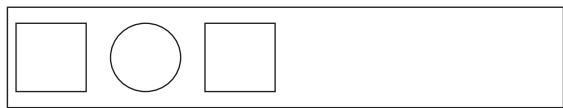
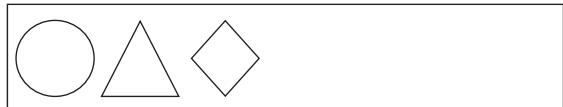
$$5. 4 \times 3 =$$

$$6. 20 - 19 =$$



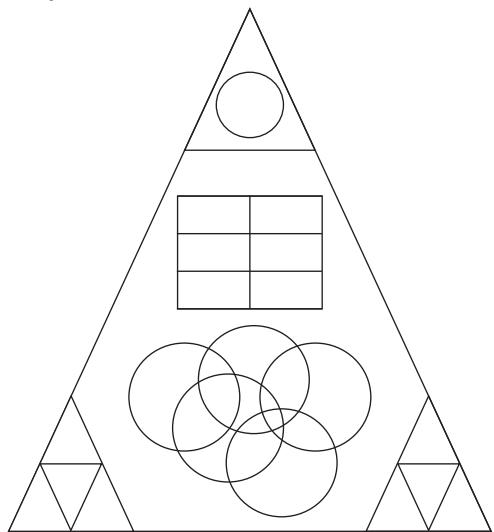
Mfumiso wa Nghingiriko 4.4

Hetisa tipatironi leti landzelaka



Mfumiso wa Nghingiriko 4.1: Tinhlamulo

Hlayela swivumbeko swo hambanahambana.



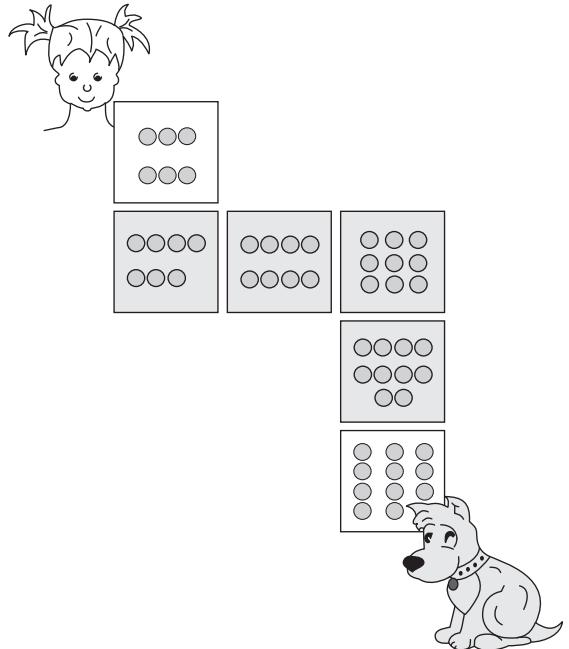
Ku na swingani? (12)

Ku na swingani? (14)

Ku na swingani (6)

Mfumiso wa Nghingiriko 4.2: Tinhlamulo

Pfuna Sarah ku kuma mbyana ya yena leyin ga lahleka hi ku tatisa nomboro ya tidoto ka khawutara yin'wana na yin'wana.



Mfumiso wa Nghingiriko 4.3: Tinhlamulo

Tirha tinhlayo ku hetisa phazili hi ku tatisa mavito ya tinomboro:

Hansi

$$1. 6 + 1 =$$

$$2. 4 \times 2 =$$

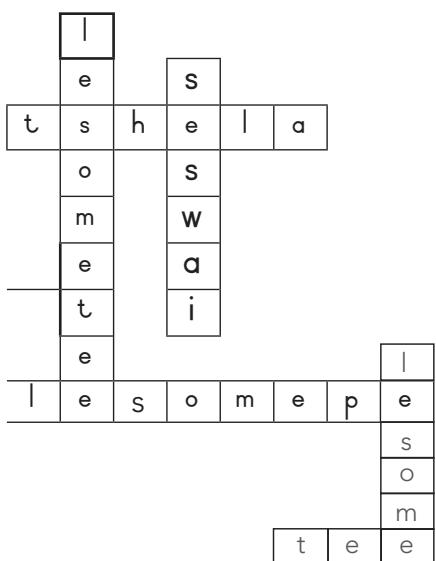
$$3. 5 \times 2 =$$

Tsemakanya

$$4. 3 \times 2 =$$

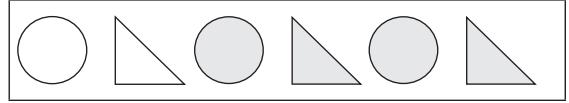
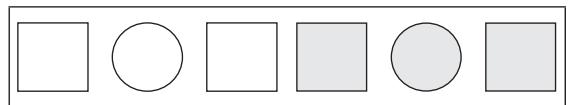
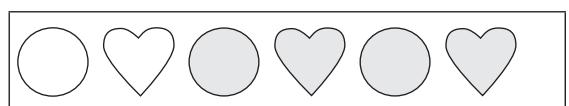
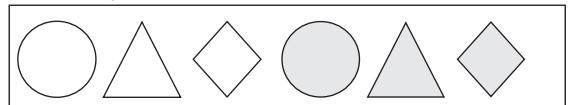
$$5. 4 \times 3 =$$

$$6. 20 - 19 =$$



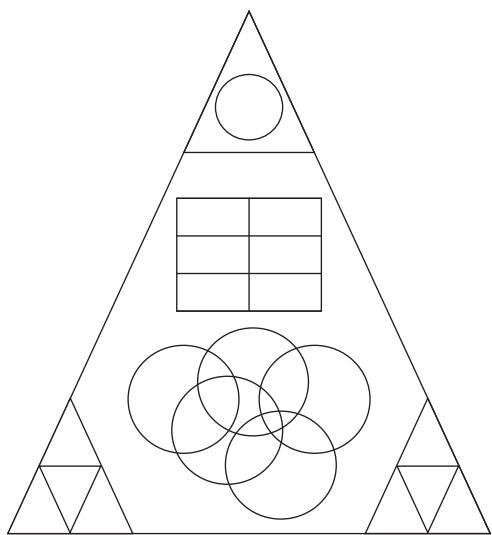
Mfumiso wa Nghingiriko 4.4: Tinhlamulo

Hetisa tipatironi leti landzelaka.



Mfumiso wa Nghingiriko 4.1

Hlayela swivumbeko swo hambanahambana.



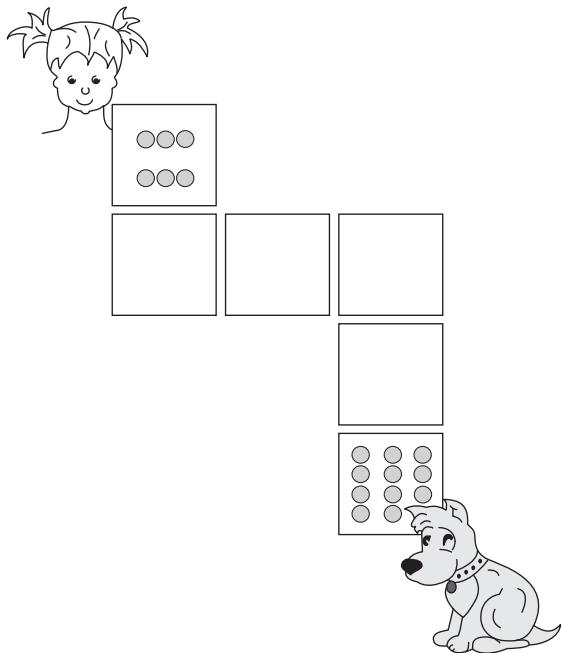
Ku na swingani? _____

Ku na swingani? _____

Ku na swingani? _____

Mfumiso wa Nghingiriko 4.2

Pfuna Sarah ku kuma mbyana ya yena leyi nga lahleka hi ku tatisa nomboro ya tidoto ka khawutara yin'wana na yin'wana.



Mfumiso wa Nghingiriko 4.3

Tirha tinhlayo ku hetisa phazili hi ku tatisa mavito ya tinomboro:

Hans

$$1. 6 + 1 =$$

$$2. 4 \times 2 =$$

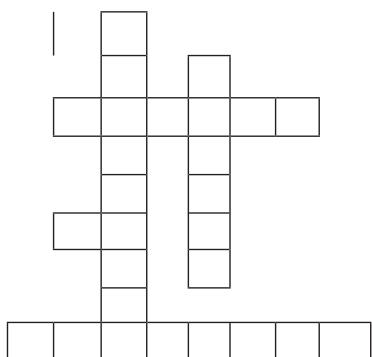
$$3. 5 \times 2 =$$

Tsemakanya

$$4. 3 \times 2 =$$

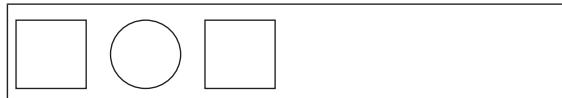
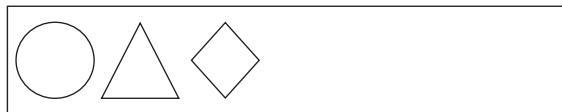
$$5. 4 \times 3 =$$

$$6. 20 - 19 =$$



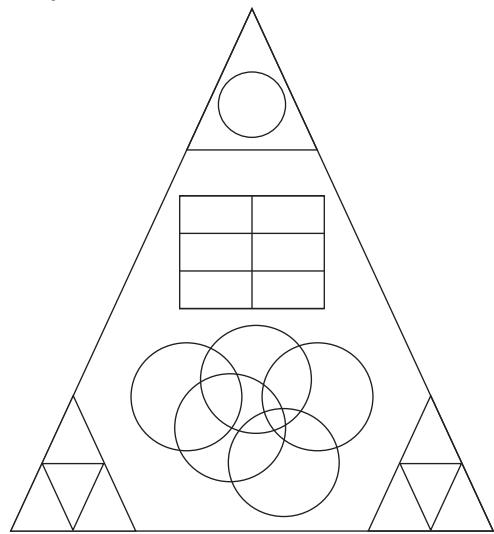
Mfumiso wa Nghingiriko 4.4

Hetisa tipatironi leti landzelaka



Mfumiso wa Nghingiriko 4.1: Tinhlamulo

Hlayela swivumbeko swo hambanahambana.



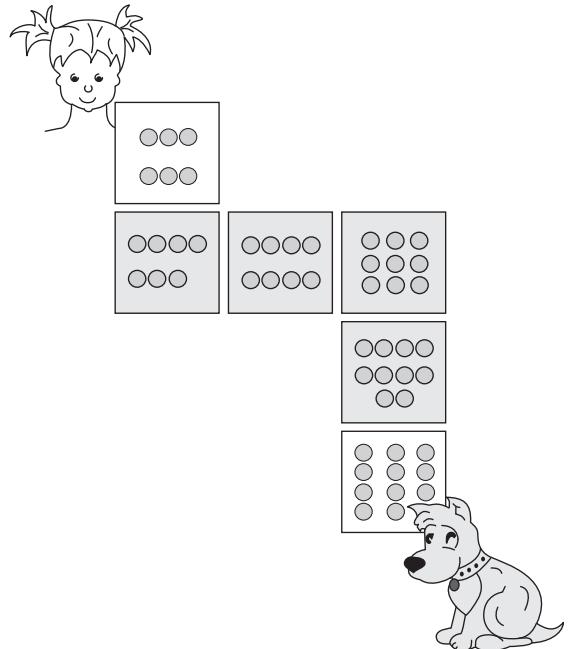
Ku na swingani? (12)

Ku na swingani? (14)

Ku na swingani (6)

Mfumiso wa Nghingiriko 4.2: Tinhlamulo

Pfuna Sarah ku kuma mbyana ya yena leyi nga lahleka hi ku tatisa nomboro ya tidoto ka khawutara yin'wana na yin'wana.



Mfumiso wa Nghingiriko 4.3: Tinhlamulo

Tirha tinhlayo ku hetisa phazili hi ku tatisa mavito ya tinomboro:

Hansi

$$1. 6 + 1 =$$

$$2. 4 \times 2 =$$

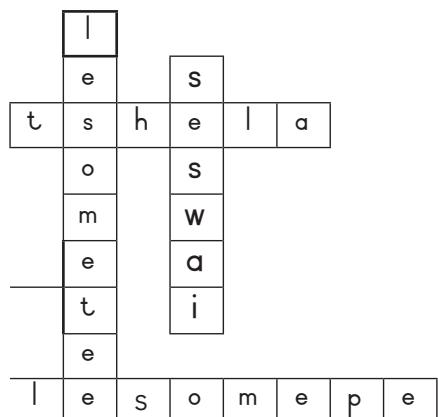
$$3. 5 \times 2 =$$

Tsemakanya

$$4. 3 \times 2 =$$

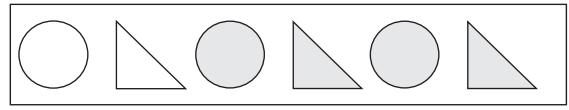
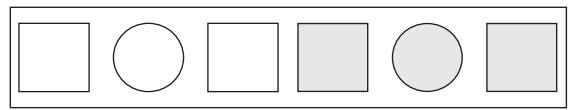
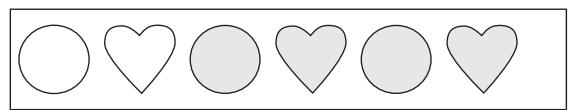
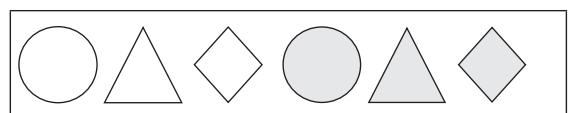
$$5. 4 \times 3 =$$

$$6. 20 - 19 =$$



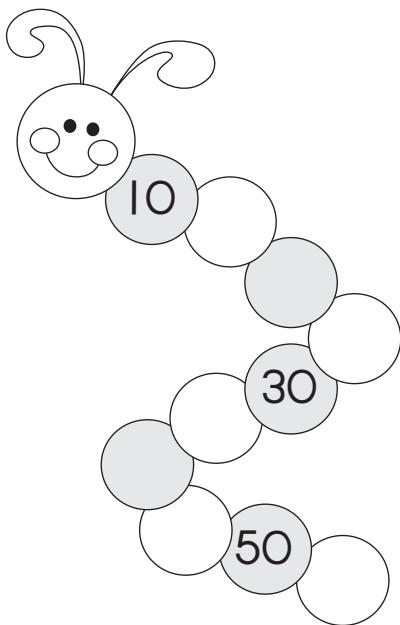
Mfumiso wa Nghingiriko 4.4: Tinhlamulo

Hetisa tipatironi leti landzelaka.



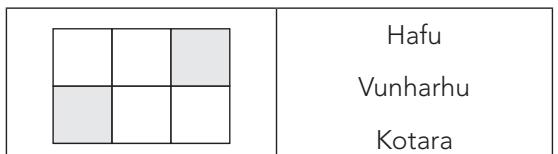
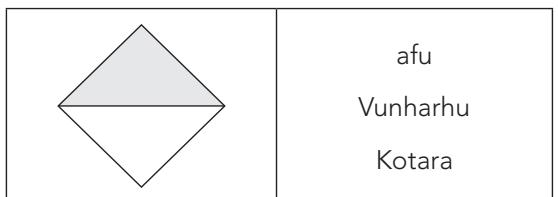
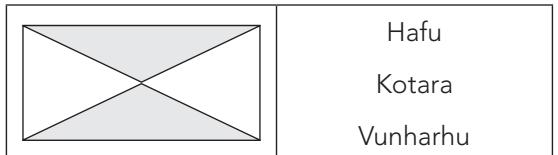
Mfumiso wa Nghingiriko 4.5

Tirha patironi ku hetisa xivungu/ nyokane.



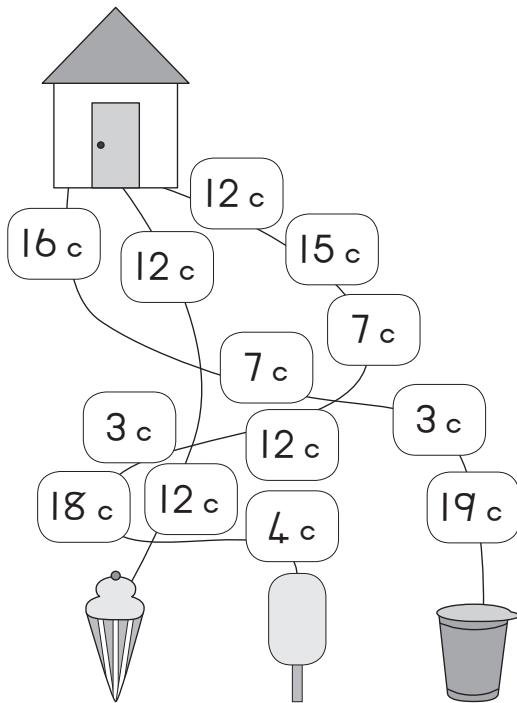
Mfumiso wa Nghingiriko 4.6

Hi xihi xiphemu lexi nga khalarawa?
Hlawula nhlamulo leyi faneleke.



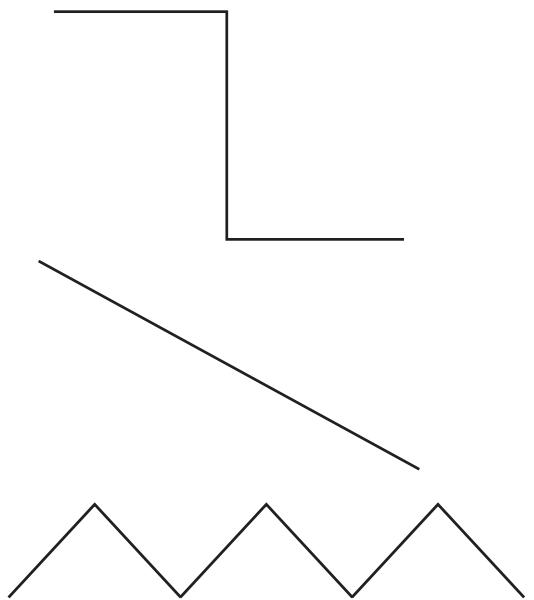
Mfumiso wa Nghingiriko 4.7

Landzelerisa tindlela kutani u ba
xirhendzevutana ka ayiskhirimi leyi nga chipa
swinene.



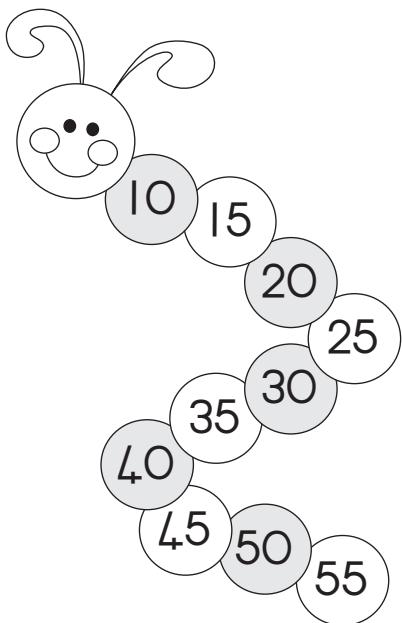
Mfumiso wa Nghingiriko 4.8

Bana xirhendzevutana ka ntla lowu nga leha
swinene. U nga tirhisa rhula ku pima mintila.



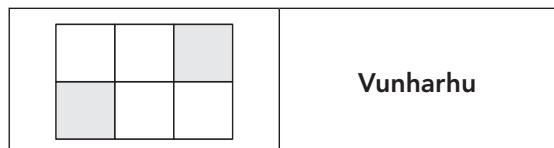
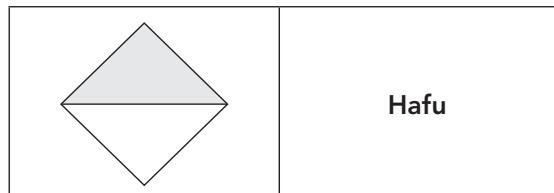
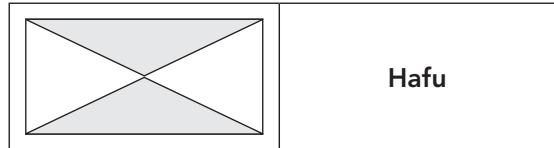
Mfumiso wa Nghingiriko 4.5: Tinhlamulo

Tirha patironi ku hetisa xivungu/ nyokane.



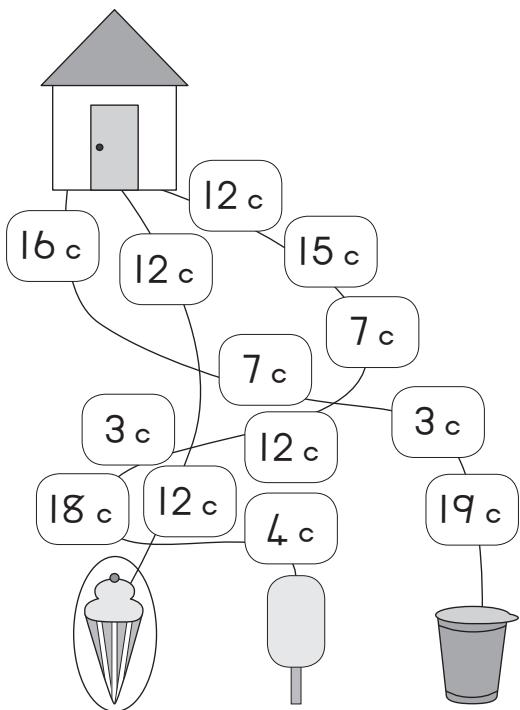
Mfumiso wa Nghingirko 4.6: Tinhlamulo

Hi xihi xiphemu lexi nga khalariwa?
Hlawula nhlamulo leyi faneleke.



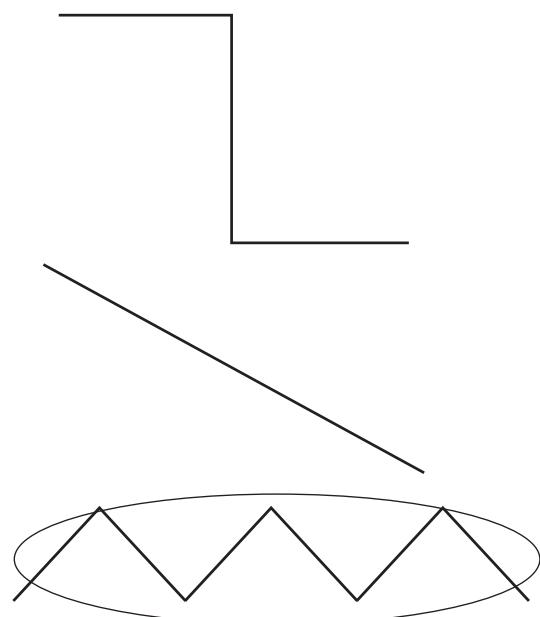
Mfumiso wa Nghingiriko 4.7: Tinhlamulo

Landzelerisa tindlela kutani u ba xirhendzevutana ka ayisi khirimmi leyi nga chipa.



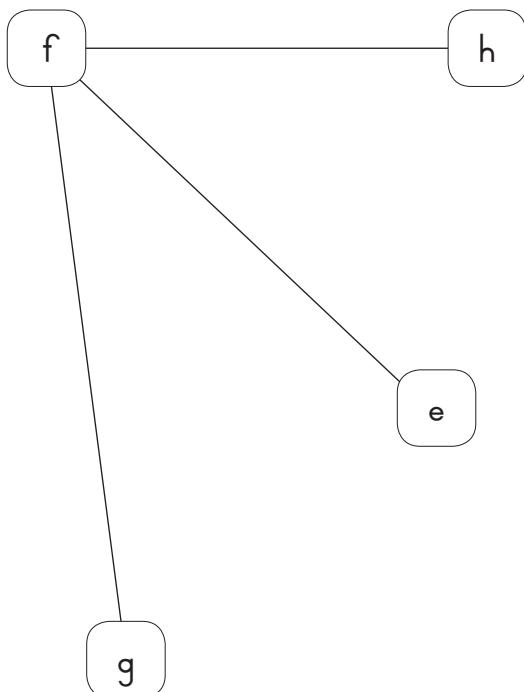
Mfumiso wa Nghingiriko 4.8: Tinhlamulo

Bana xirhendzevutana ka ntila lowu nga leha swinene. U nga tirhisa rhula ku pima mintila.



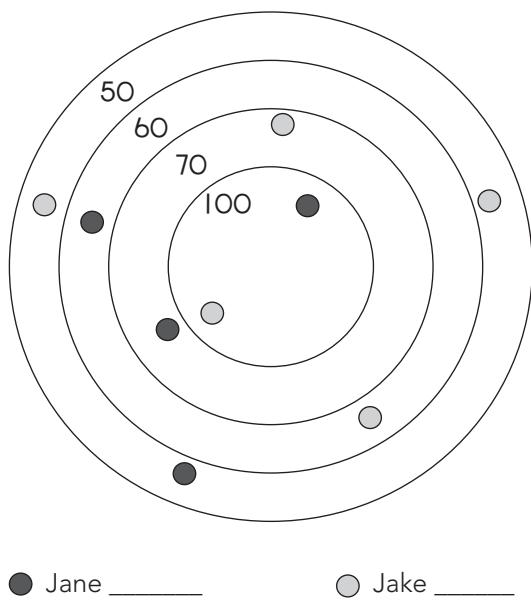
Mfumiso wa Nghingiriko 4.9

Hi wihi ntila lowu nga ta leha swinene?
Bana xirhendzevutana ka hlamulo.
E ku fika F; F ku fika G; ku fika F ku fika H?



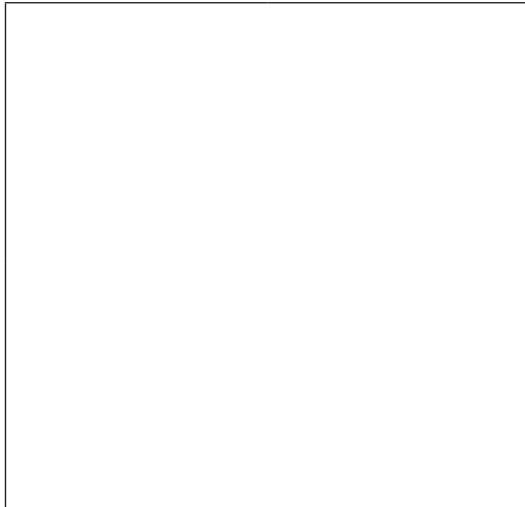
Mfumiso wa Nghingiriko 4.10

Jane na Jake va tlanga timabulu. Hlanganisa mikuntlunyo ya vona ku vona loyi a hlulaka.



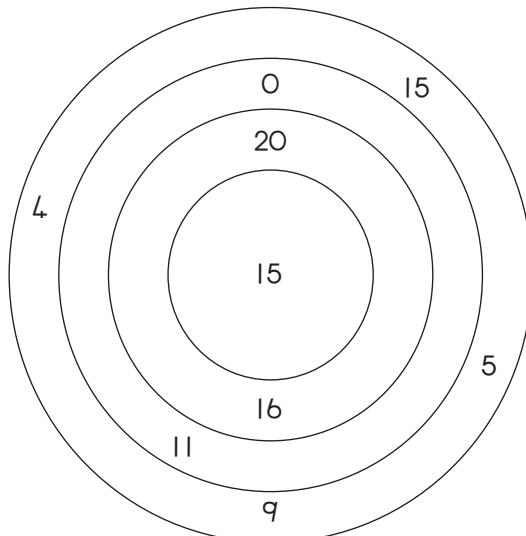
Mfumiso wa Nghingiriko 4.11

Avanyisa xikwere hi 6 tiyinhlanharhu leswitsongo.



Mfumiso w Ngħingiriko 4.12

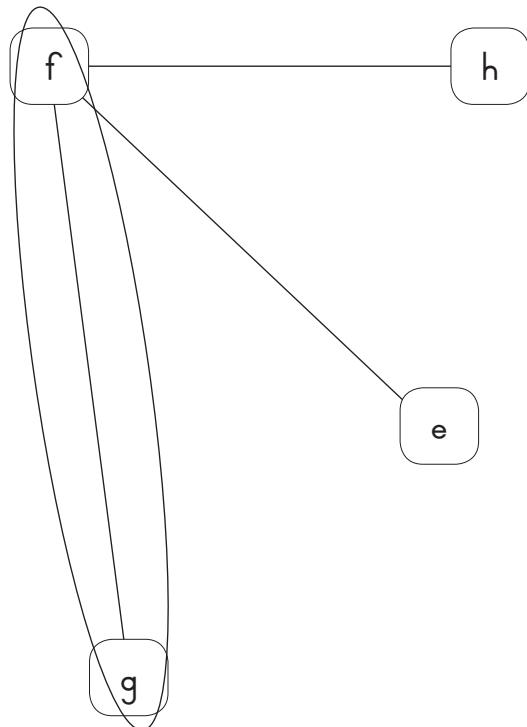
Tirħisa tinomboro ku vona tinhlayo leti u nga ti endlaka hi 20 ku endla hlamulo.



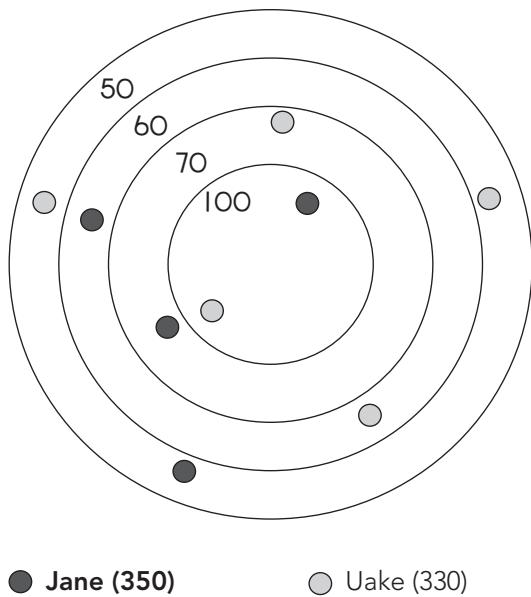
Mfumiso wa Nghingiriko 4.9: Tinhlamulo

Hi wihi ntila lowu nga ta leha swinene? ?Bana xirhendzevutana ka hlamulo.

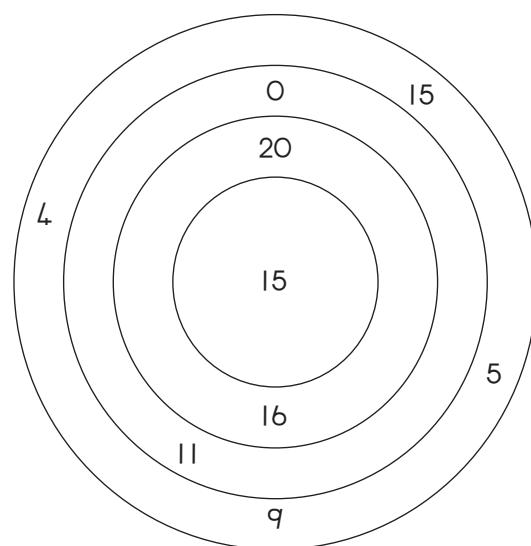
E ku fika F; F ku fika G; ku fika F ku fika H?

**Mfumiso wa Nghingiriko 4.10: Tinhlamulo**

Jane na Jake va tlanga timabulu. Hlanganisa mikuntlunyo ya vona ku vona loyi a hlulaka.

**Mfumiso wa Nghingiriko 4.11: Tinhlamulo**

Avanyisa xikwere hi 6 tiyinhlanharhu leswitsongo.

Mfumiso wa Nghingiriko 4.11: Tinhlamulo

U nga endla 4 wa tinhlayo:

$$20 + 0, 15 + 5, 11 + 9, 16 + 4$$

Mfumiso wa Nghingiriko 4.13

Fananisa swirhalanganyi ka Buloko A na tinhlamulo ka Buloko B.

Buloko A
$5 \times 4 =$
$20 \times 2 =$
$16 + 3 =$
$12 + 6 =$
$60 + 3 =$
$10 \times 7 =$
$40 \times 0 =$
$27 + 1 =$
$14 + 9 =$

Buloko B
40
18
0
63
23
28
70
20
19

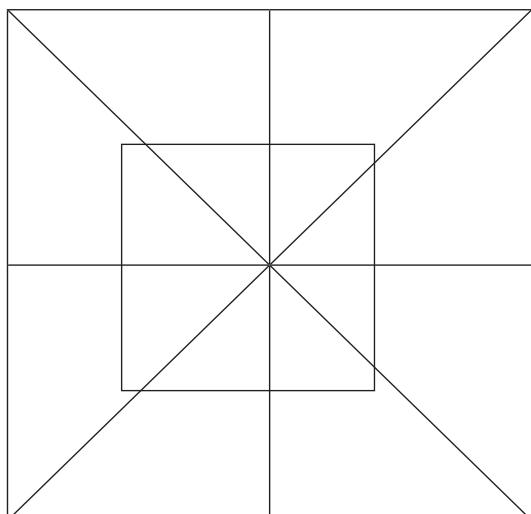
Mfumiso wa Nghingiriko 4.14

Ringeta ku kuma nhlayo ka tibuloko.

+	8	1	50
2			
4			
6			
8			
10			

Mfumiso wa Nghingiriko 4.15

Ku na  swingani??



Tiyinhanharhu tše 12

Tiyinhanharhu tše 26

Tiyinhanharhu tše 33

Tiyinhanharhu tše 20

Mfumiso wa Nghingiriko 4.16

Fananisa tinomboro na mavito ya tinomboro.

Tinimboro
20
10
90
19
12
14
40

Mavito ya tinomboro
Khumembirhi
Khumekaye
Makume mbirhi
Makumekaye
Khume
Makume mune
Khumemune

Mfumiso wa Nghingiriko 4.13: Tinhlamulo

Fananisa swiphiqo ka Buloko A na tinhlamulo ka Buloko B.

Buloko A	Buloko B
$5 \times 4 =$	40
$20 \times 2 =$	18
$16 + 3 =$	0
$12 + 6 =$	63
$60 + 3 =$	23
$10 \times 7 =$	28
$40 \times 0 =$	70
$27 + 1 =$	20
$14 + 9 =$	19

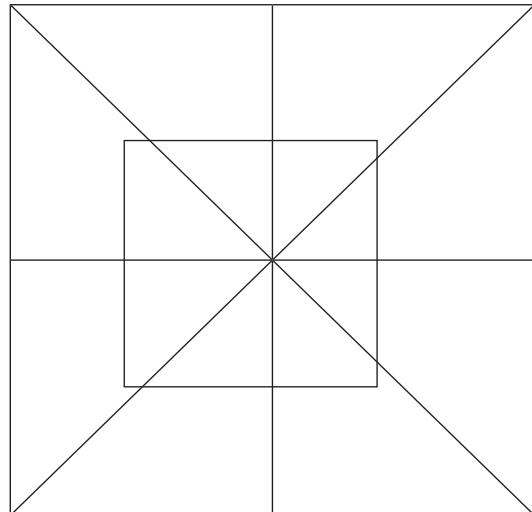
Mfumiso wa Nghingiriko 4.14: Tinhlamulo

Ringeta ku kuma nhlayo ka tibuloko.

+	8	1	50
2	10	3	52
4	12	5	54
6	14	7	56
8	16	9	58
10	18	11	60

Mfumiso wa Nghingiriko 4.15: Tinhlamulo

Ku na  swingani?



Tiyinhanharhu -26

Mfumiso wa Nghingiriko 4.16: Tinhlamulo

Fananisa tinomboro na mavito ya tinomboro.

Tinomboro	Mavito ya tinomboro
20	Makumembirhi
10	Khume
90	Makumenkaye
19	Makumenkaye
12	Khumembirhi
14	Khume mune
40	Makumemune

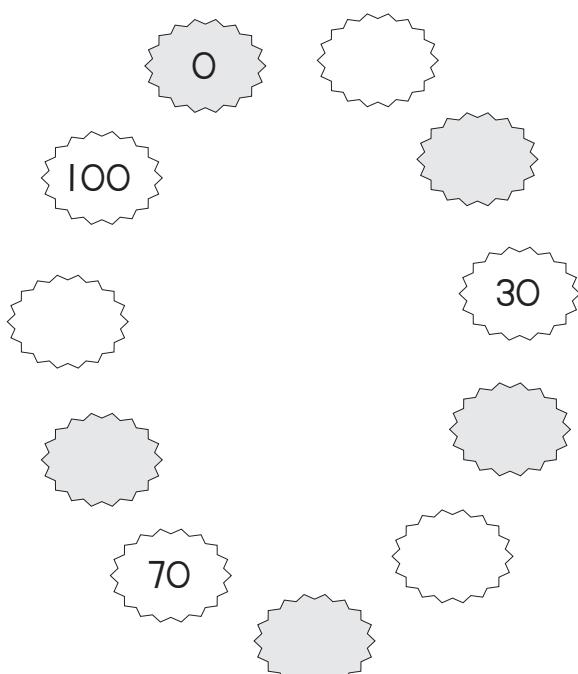
Mfumiso wa Nghingiriko 4.17

Hetisa tafula u endla tinhlayo.

x	5	4	2
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Mfumiso wa Nghingiriko 4.18

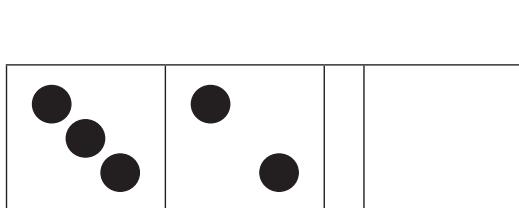
Hetisa patironi.



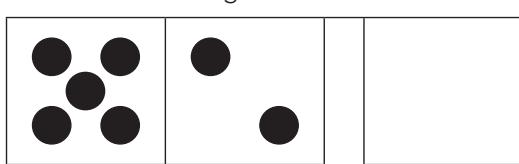
Mfumiso wa Nghingiriko 4.19

Andzisa tidoto ka tidominosi u tatisa tinhlamulo.

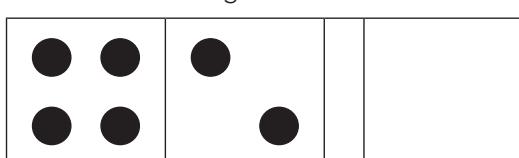
Xana swi tava swingani?



Xana swi tava swingani?

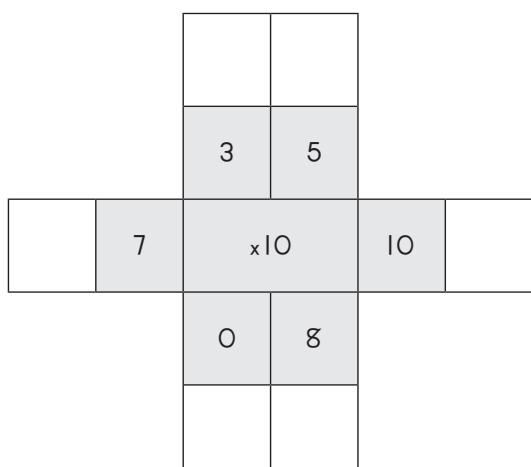


Xana swi tava swingani?



Mfumiso wa Nghingiriko 4.20

Andzisa nomboro ya le endzeni hi tinomboro ta le handle.



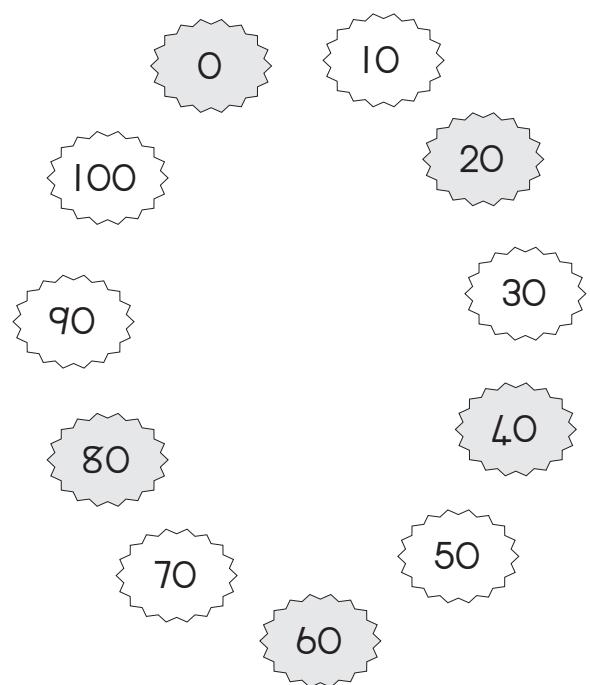
Mfumiso wa Nghingiriko 4.17: Tinhlamulo

Hetisa tafula u endla tinhlayo.

x	5	4	2
1	5	4	3
2	10	8	4
4	15	7	12
4	20	16	8
5	25	20	10
6	30	24	12
7	35	28	14
8	40	32	16
9	45	36	18
10	50	40	20

Mfumiso wa Nghingiriko 4.18: Tinhlamulo

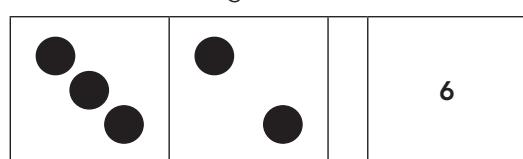
Hetisa tipatironi.



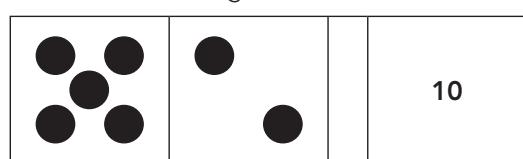
Mfumiso wa Nghingiriko 4.19: Tinhlamulo

Andzisa tidoto ka tidominosi u tatisa tinhlamulo.

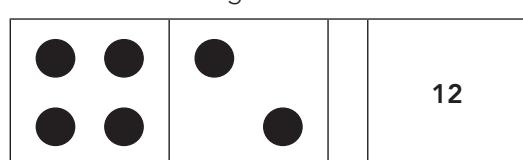
Xana swi tava swingani?



Xana swi tava swingani?



Xana swi tava swingani?



Mfumiso wa Nghingiriko 4.20: Tinhlamulo

Andzisa nomboro ya le ndzeni hi tinomboro ta le handle.

		30	50		
		3	5		
70	7	x10		10	100
		0	8		
		0	80		

Mfumiso wa Nghingiriko 4.21

Khakhuleta leswi landzelaka u dirowa ntila ka nhlamulo.

$$14 + 1 =$$

$$20$$

$$13 + 20 =$$

$$15$$

$$17 + 3 =$$

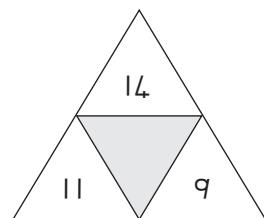
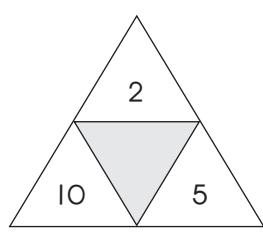
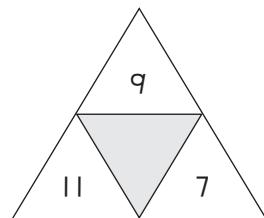
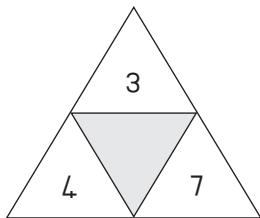
$$26$$

$$19 + 7 =$$

$$33$$

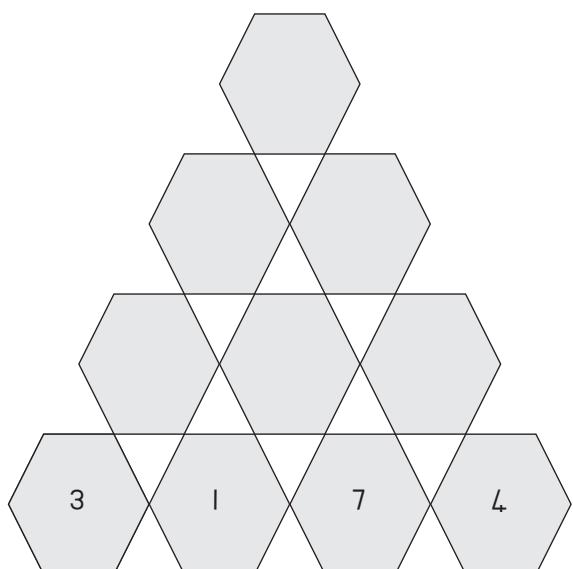
Mfumiso wa Nghingiriko 4.22

Hlanganisa tinomboro ku kuma nomboro leyi nga xikarhi.



Mfumiso wa Nghingiriko 4.23

Nomboro yin'wana na yin'wana ka xivumbeko xa matlhelo ya tsevu xi endliwile hi swivumbeko swimbirhi swa matlhelo ya tsevu. Khakhuleta tinomboro leti siyiweke.



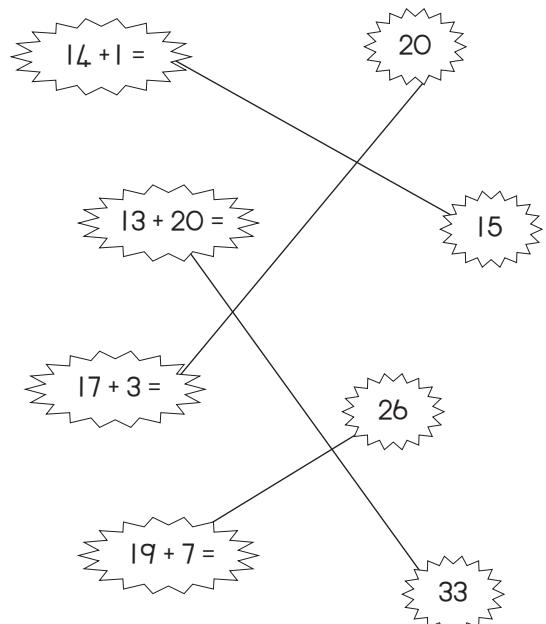
Mfumiso wa Nghingiriko 4.24

Khakhuleta nxaxa yin'wana na yin'wana ka phazili. Tatisa tinhlamulo. Khakhuleta kholomu yin'wana na yin'wana ka phazili.

14	+	2	=	
+		+		+
3	+	7	=	
=		=		=
	+		=	

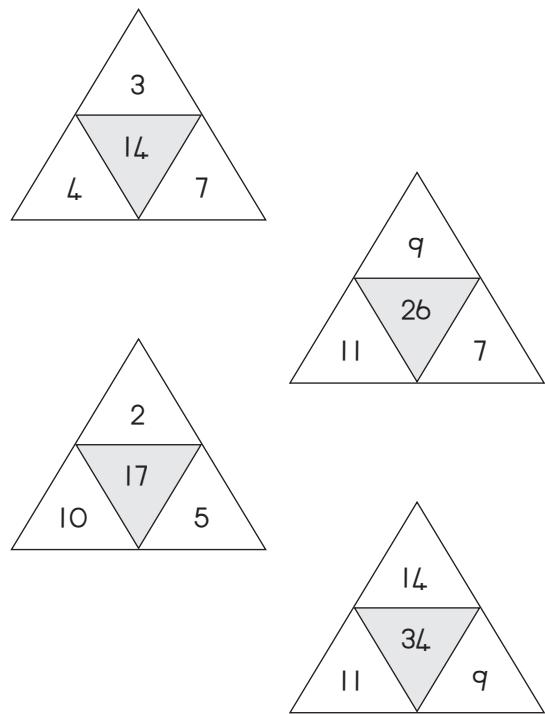
Mfumiso wa Nghingiriko 4.21 Tinhlamulo

Khakhuleta leswi landzelaka u dirowa ntila ka nhlamulo.



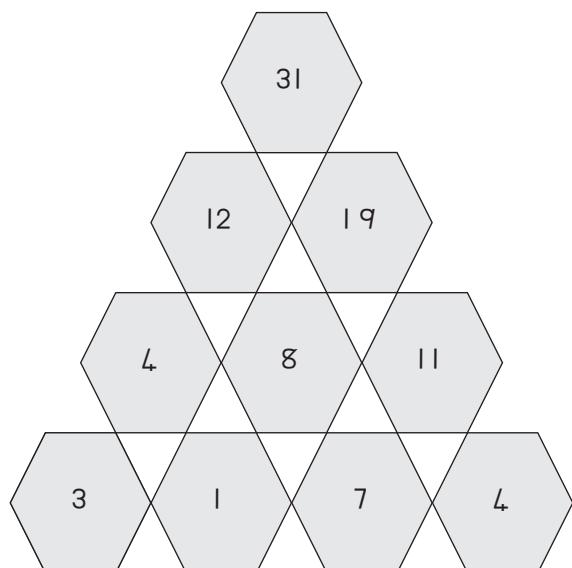
Mfumiso wa Nghingiriko 4.22: Tinhlamulo

Hlanganisa tinomboro ku kuma nomboro leyi nga xikarhi.



Mfumiso wa Nghingiriko 4.23: Tinhlamulo

Nomboro yin'wana na yin'wana ka xivumbeko xa matlhelo ya tsevu xi endliwile hi swivumbeko swimbirhi swa matlhelo ya tsevu. Khakhuleta tinomboro leti siyiweke.



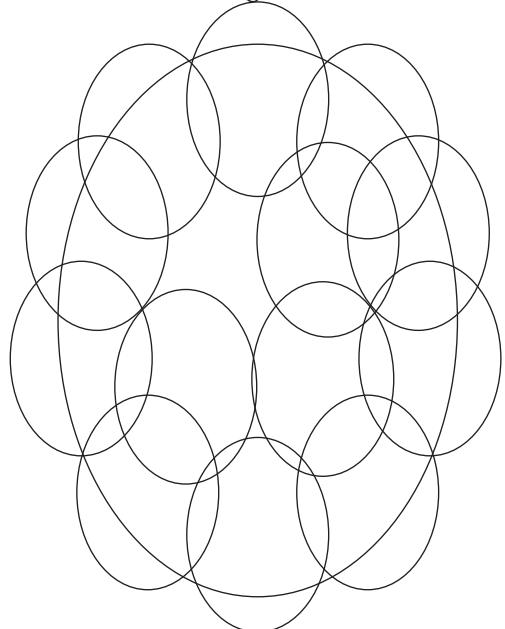
Mfumiso wa Nghingiriko 4.24: Tinhlamulo

Khakhuleta nxaxa yin'wana na yin'wana ka phazili. Tatisa tinhlamulo. Khakhuleta kholomu yin'wana na yin'wana ka phazili.

14	+	2	=	16
+		+		+
3	+	7	=	10
=		=		=
17	+	9	=	26

Mfumiso wa Nghingiriko 4.25

Xana u vona tiovhali tingani?



11

24

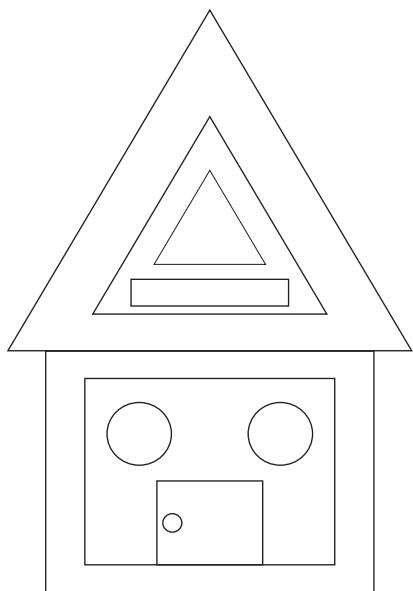
14

Mfumiso wa Nghingiriko 4.26

Khalara hi tshwuka

Khalara hi Oxitshopana

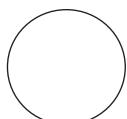
Khalara hi. △wasi



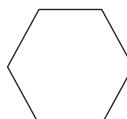
Mfumiso wa Nghingiriko 4.27

Nyika swivumbeko swo hambanahambana.



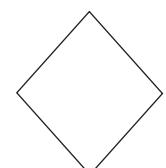
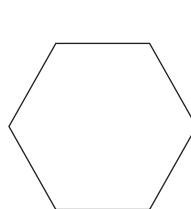
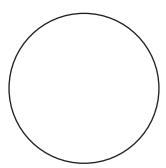
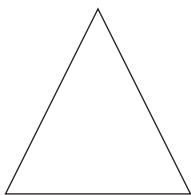
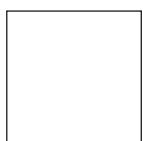






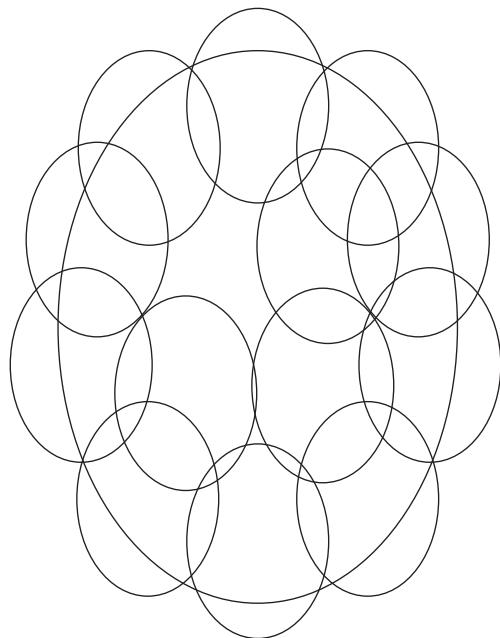
Mfumiso wa Nghingiriko 4.28

Tirhisa swivumbeko ku dirowa xifaniso xa leswi u swi tsakelaka.



Mfumiso wa Nghingiriko 4.25: Tinhlamulo

Xana u vona tiovhali tingani?



11

24

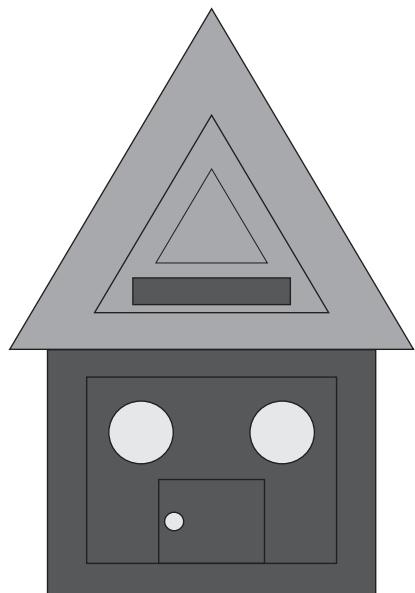
14

Mfumiso wa Nghingiriko 4.26: Tinhlamulo

Khalara hi .tshwuka

Khalara hi xitshopana

Khalara hi. .wasi

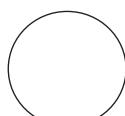


Mfumiso wa Nghingiriko 4.27: Tinhlamulo

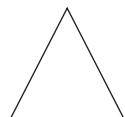
Nyika swivumbeko swo hambanahambana.



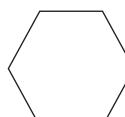
Xikwere



Xirhendzevutana



Yinhlanhharhu

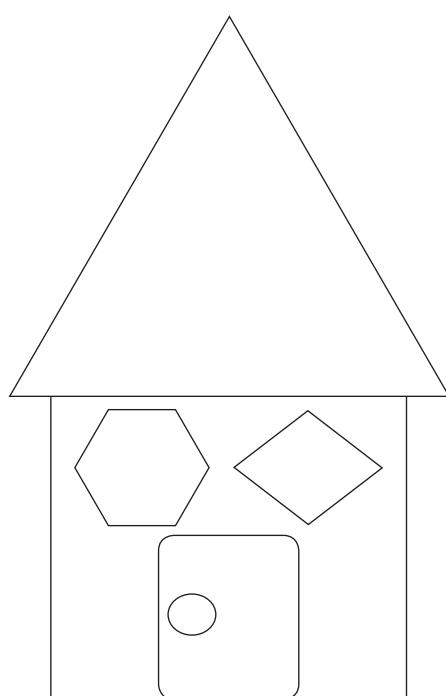


Xivumbeko xa matlhelo ya tsevu

Mfumiso wa Nghingiriko 4.28: Tinhlamulo

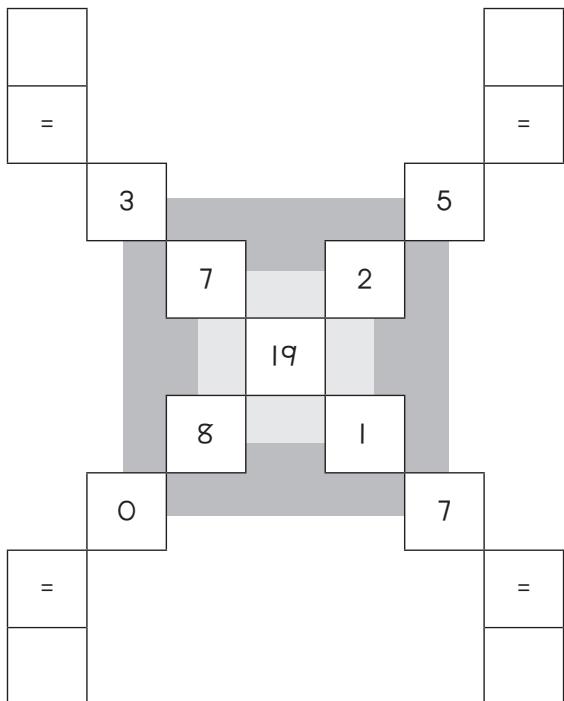
Tirhisa swivumbeko ku dirowa xifaniso xa leswi u swi tsakelaka.

Tinhlamulo to hambanahambana.



Mfumiso wa Nghingiriko 4.29

Hlanganisa tinomboro ka nxaxa ku kuma hlamulo.

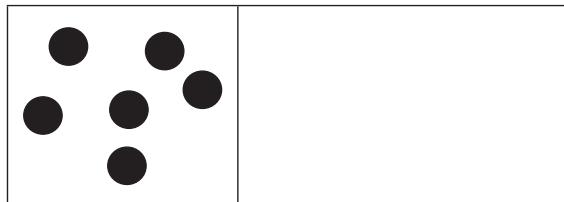
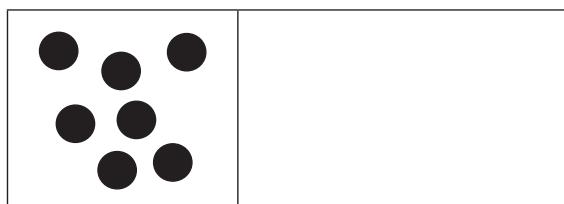
**Mfumiso wa Nghingiriko 4.30**

Tsala mavito ya nomboro ya tinomboro leti landzelaka.

8	
2	
3	
7	
9	
10	
15	
12	
30	
25	
100	

Mfumiso wa Nghingiriko 4.31

Hlayela u dirowa 10 wa swihlayelo ka tlhelotra voko ra xinene.

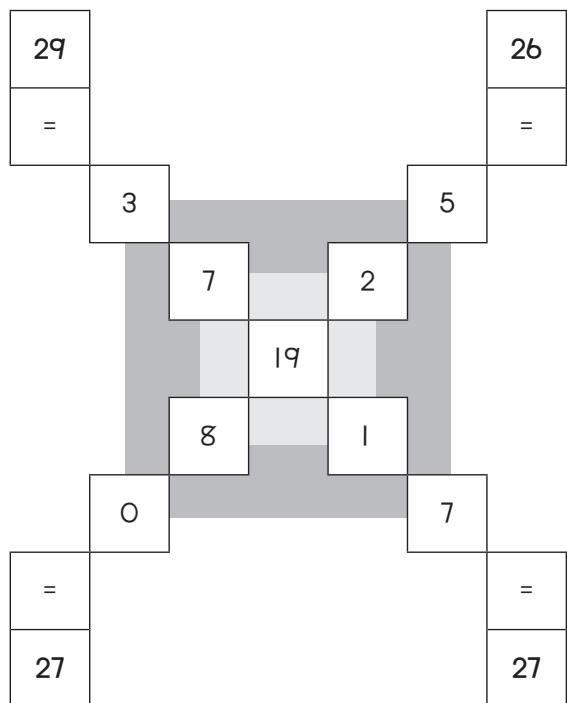
**Mfumiso wa Nghingiriko 4.32**

Hi yihi nomboro leyikulu? Bana xirhendzevutana ka nomboro leyikulu.

- | | | |
|----|-------|----|
| 12 | kumbe | 21 |
| 15 | kumbe | 51 |
| 16 | kumbe | 61 |
| 31 | kumbe | 13 |
| 17 | kumbe | 72 |
| 20 | kumbe | 21 |
| 52 | kumbe | 25 |
| 10 | kumbe | 1 |

Mfumiso wa Nghingiriko 4.29: Tinhlamulo

Hlanganisa tinomboro ka nxaxa ku kuma hlamulo.



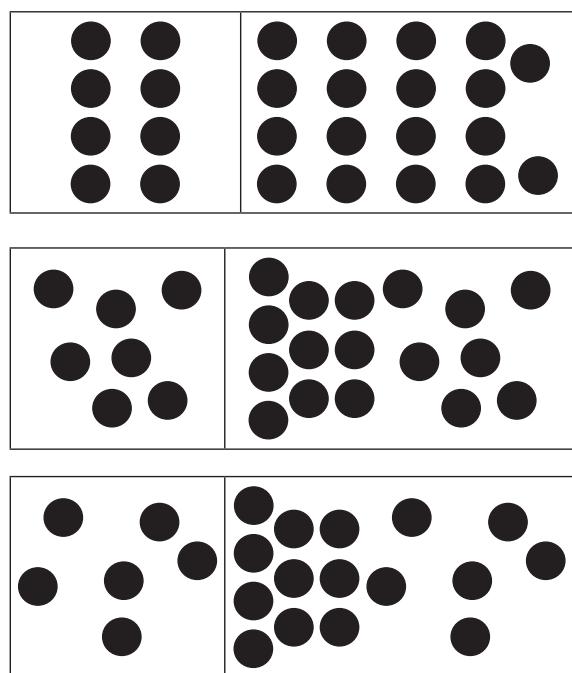
Mfumiso wa Nghingiriko 4.30: Tinhlamulo

Tsala mavito ya nomboro ya tinomboro leti landzelaka.

8	nhungu
2	mbirhi
3	nharhu
7	nkombo
9	kaye
10	khume
15	khumentlhanu
12	khumembirhi
30	makumenharhu
25	makumembirhi ntlanu
100	dzana

Mfumiso wa Nghingiriko 4.31: Tinhlamulo

Hlayela u dirowa 10 wa swihlayelo ka tlhelo ra voko ra xinene.



Mfumiso wa Nghingiriko 4.32: Tinhlamulo

Hi yihi nomboro leyikulu? Bana xirhendzevutana ka nomboro leyikulu.

- 10 kumbe 100
- 12 kumbe 21
- 15 kumbe 51
- 16 kumbe 61
- 31 kumbe 13
- 17 kumbe 72
- 20 kumbe 21
- 52 kumbe 25
- 10 kumbe 1