

GRADE 3

TERM 1 2019

**MATHEMATICS
ENGLISH / SEPEDI /
XITSONGA**

RESOURCE PACK

PRINTABLE RESOURCES

The following printable resources are available in this section:

- 1. Resource sheets**
- 2. Mental mathematics challenge cards: Bilingual version**
- 3. Enrichment activity cards: English version**
- 4. Enrichment activity cards: Sepedi and Xitsonga version**

1. Resource Sheets

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

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

Resources for each day of teaching

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

1. Dikarata tša Flarde (Thuto tše mmalwa)

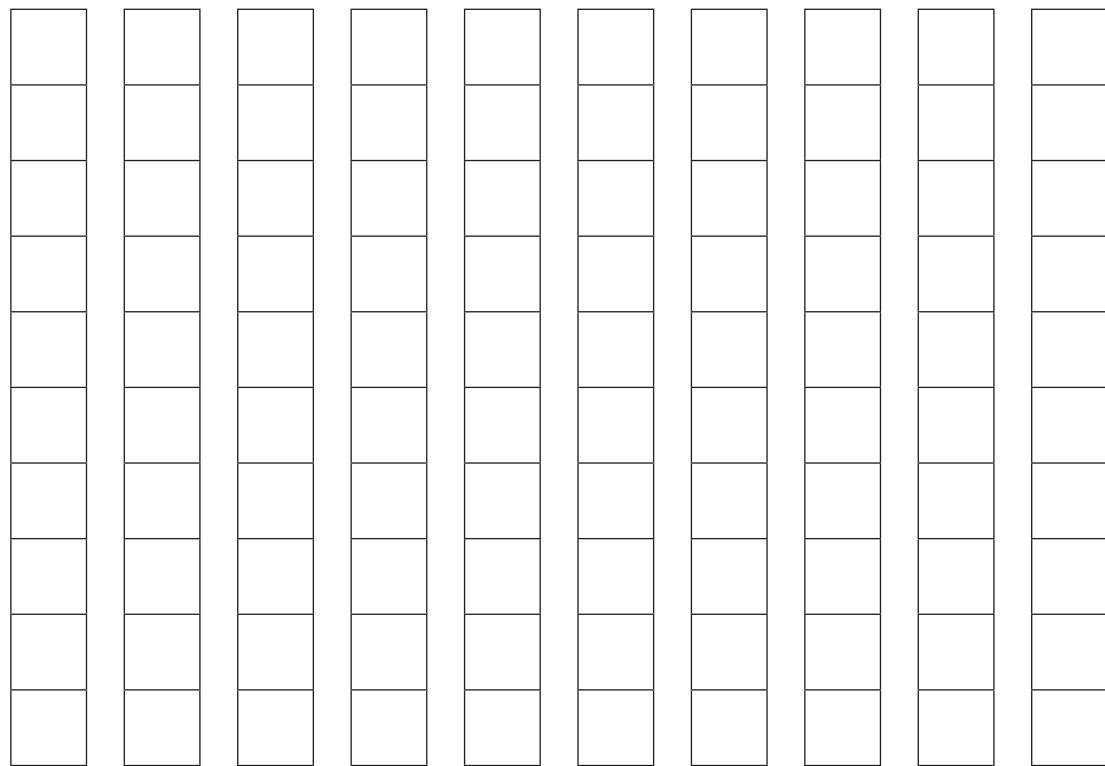
I	I	O	I	O	O
2	2	O	2	O	O
3	3	O	3	O	O
4	4	O	4	O	O
5	5	O	5	O	O
6	6	O	6	O	O
7	7	O	7	O	O
8	8	O	8	O	O
q	q	O	q	O	O
			I	O	O

2. Diploko tša lesome (Dithuto tše mmalwa)

Go dira diploko tša lesome o nyaka go kgorometša mo khateboto gomme o ripe diploko kamoka ga tšona.

- Diploko tše dinnyane tša go šomišwa go emela masome le metšo.
- Diploko tše di telele tša go šomiša go emela masome.
- Diploko tša mpepetla di šomiša go emela makgolo.

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3. Dikwere tša 100 tša go sengwalelwwe selo (Thuto ya 3)

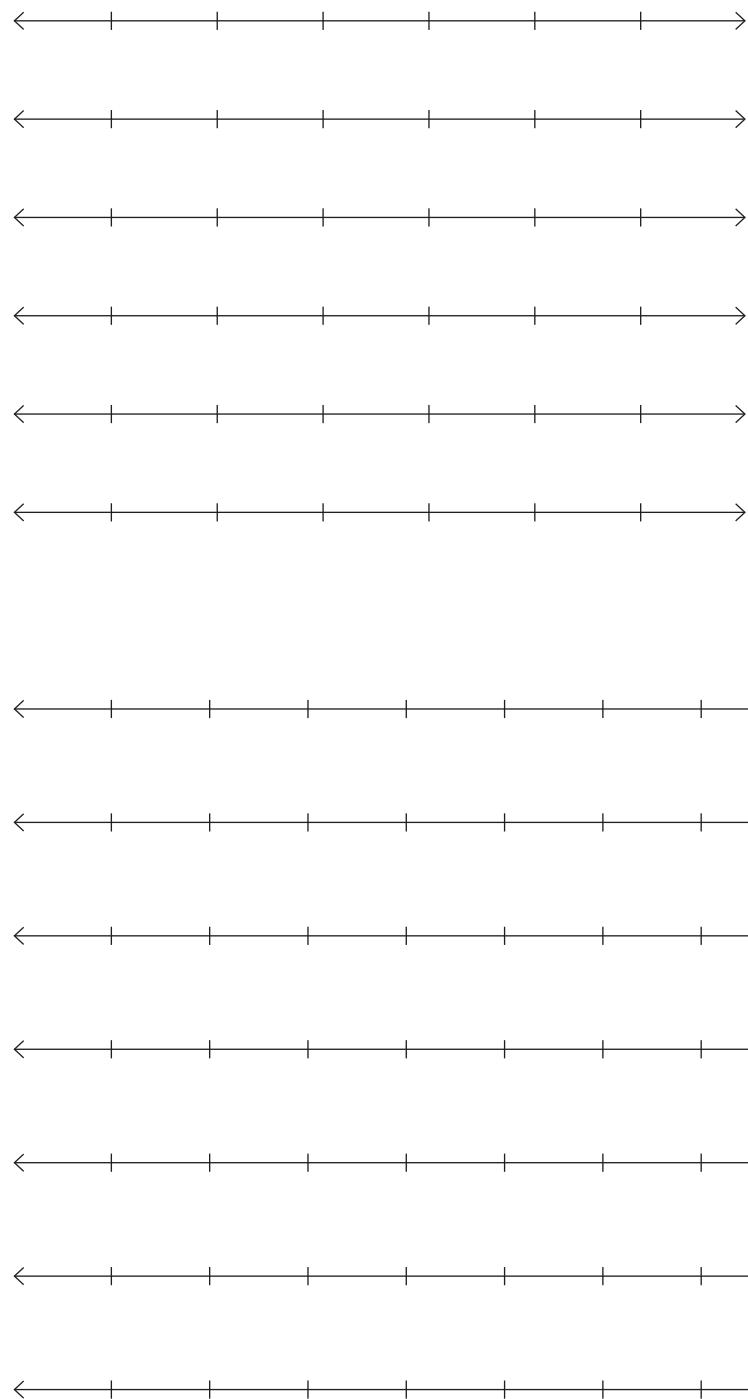
4. Dikwere tša 100 (Thuto tše mmalwa)

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

5. 101-200 boto ya dinomoro (Thuto ya 4)

I01	I02	I03	I04	I05	I06	I07	I08	I09	I00
II1	II2	II3	II4	II5	II6	II7	II8	II9	I20
I21	I22	I23	I24	I25	I26	I27	I28	I29	I30
I31	I32	I33	I34	I35	I36	I37	I38	I39	I40
I41	I42	I43	I44	I45	I46	I47	I48	I49	I50
I51	I52	I53	I54	I55	I56	I57	I58	I59	I60
I61	I62	I63	I64	I65	I66	I67	I68	I69	I70
I71	I72	I73	I74	I75	I76	I77	I78	I79	I80
I81	I82	I83	I84	I85	I86	I87	I88	I89	I90
I91	I92	I93	I94	I95	I96	I97	I98	I99	200

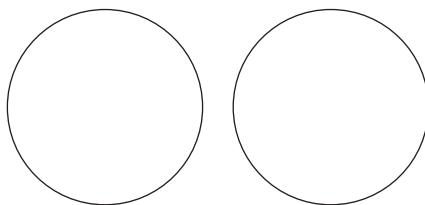
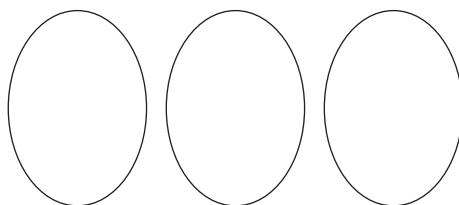
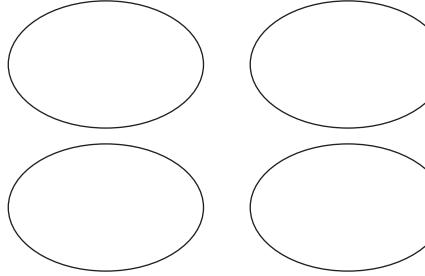
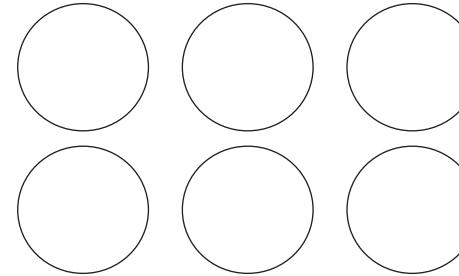
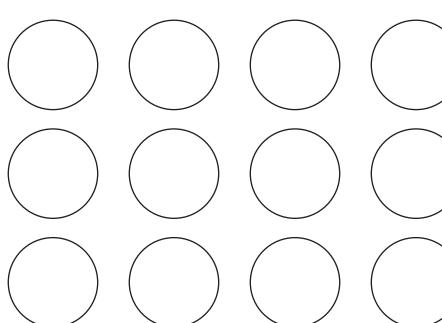
6. Melapalo (Dithuto tse di malwa)



7. Letlharetiro la dipalophatlo (Thuto ya 29)

Name:

Date:

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

8. Dikwere tša 100 (Thuto tše mmalwa)

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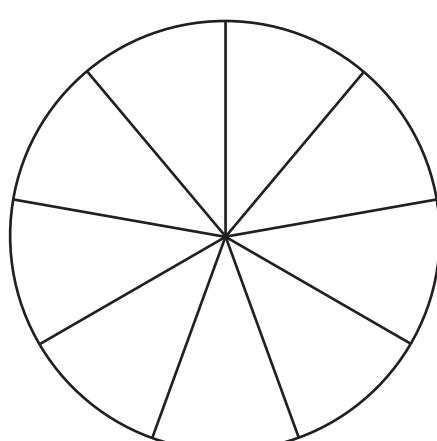
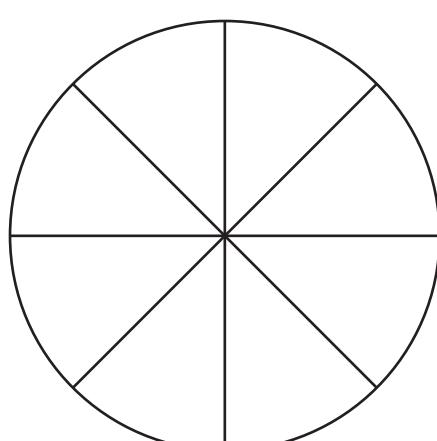
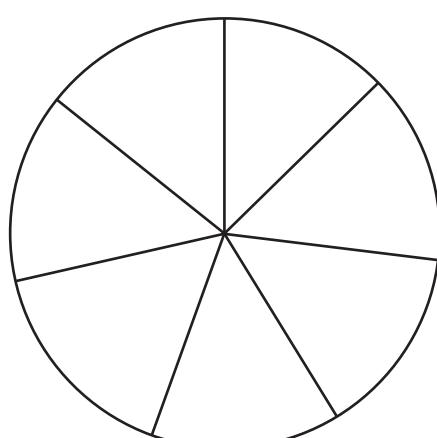
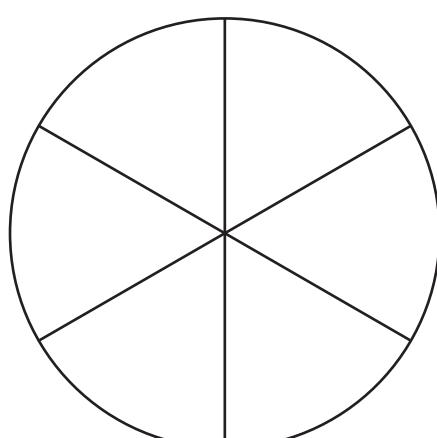
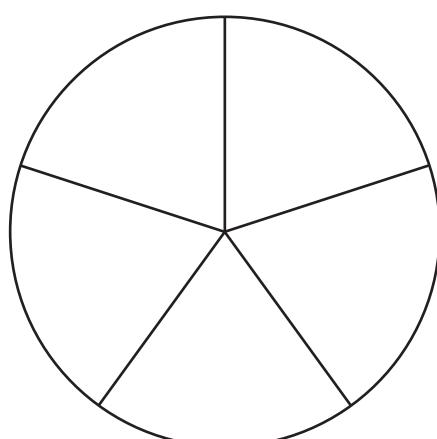
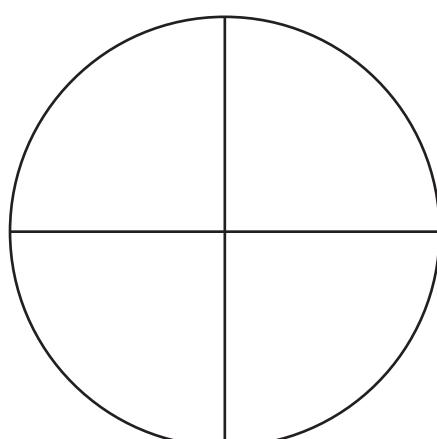
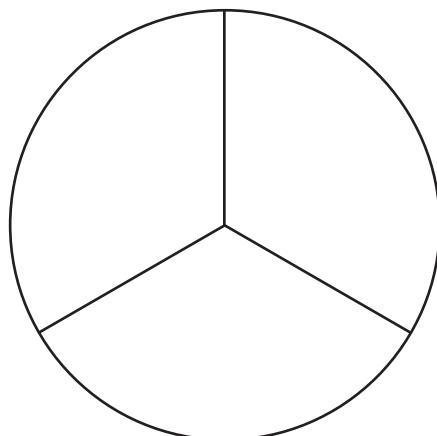
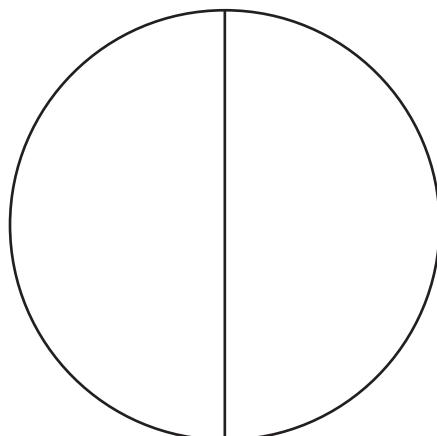
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9. Didiko tša Frakšene (Thuto ya 36)



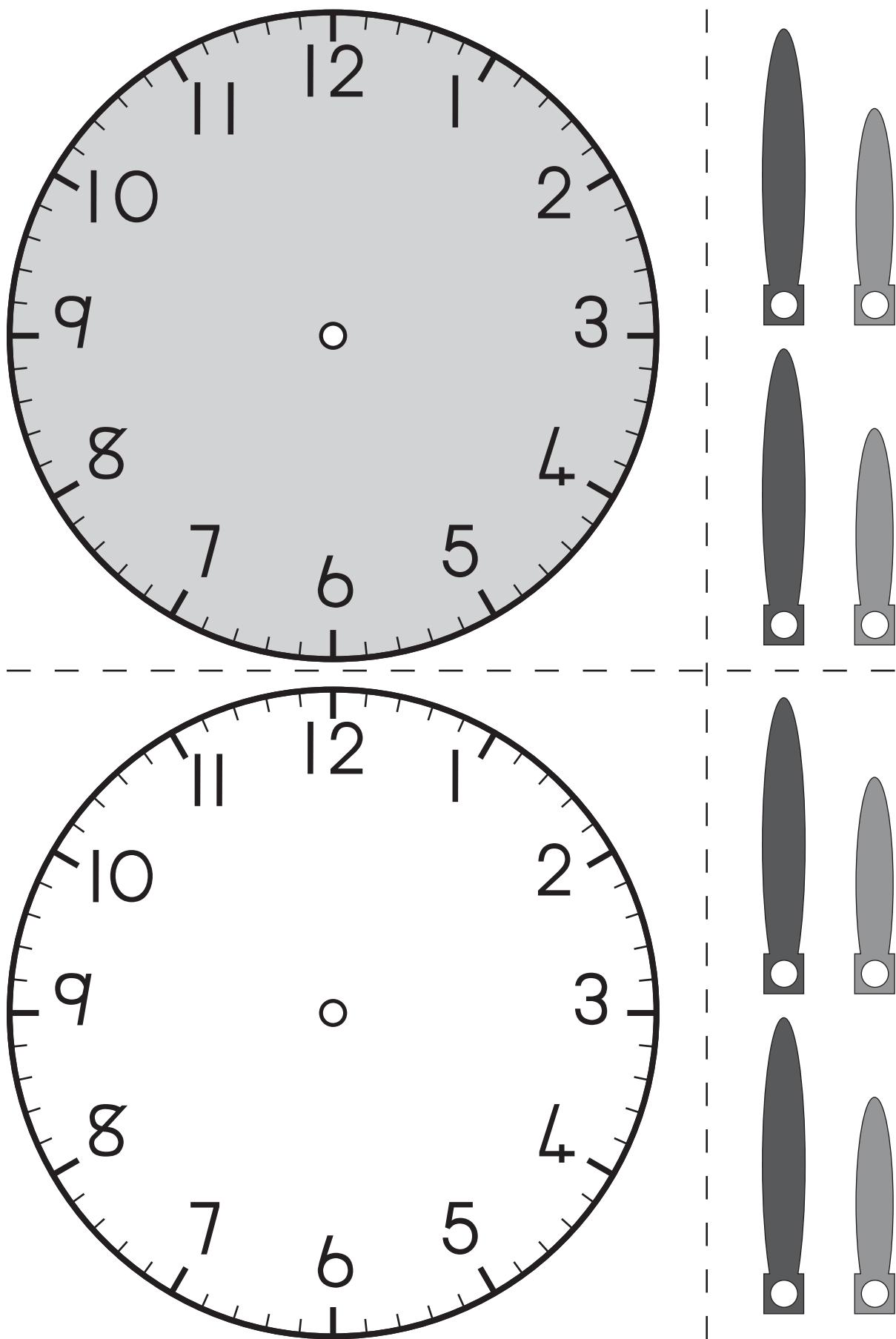
10. Lebota la dipalophatlo (Thuto ya 31)

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11. Nako ya manakana(Thuto ya 35 le 36)



12. 1-200 boto ya dinomoro(Thuto ya 38-40)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	100
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

1. Swikombakombana (Dyondzo)

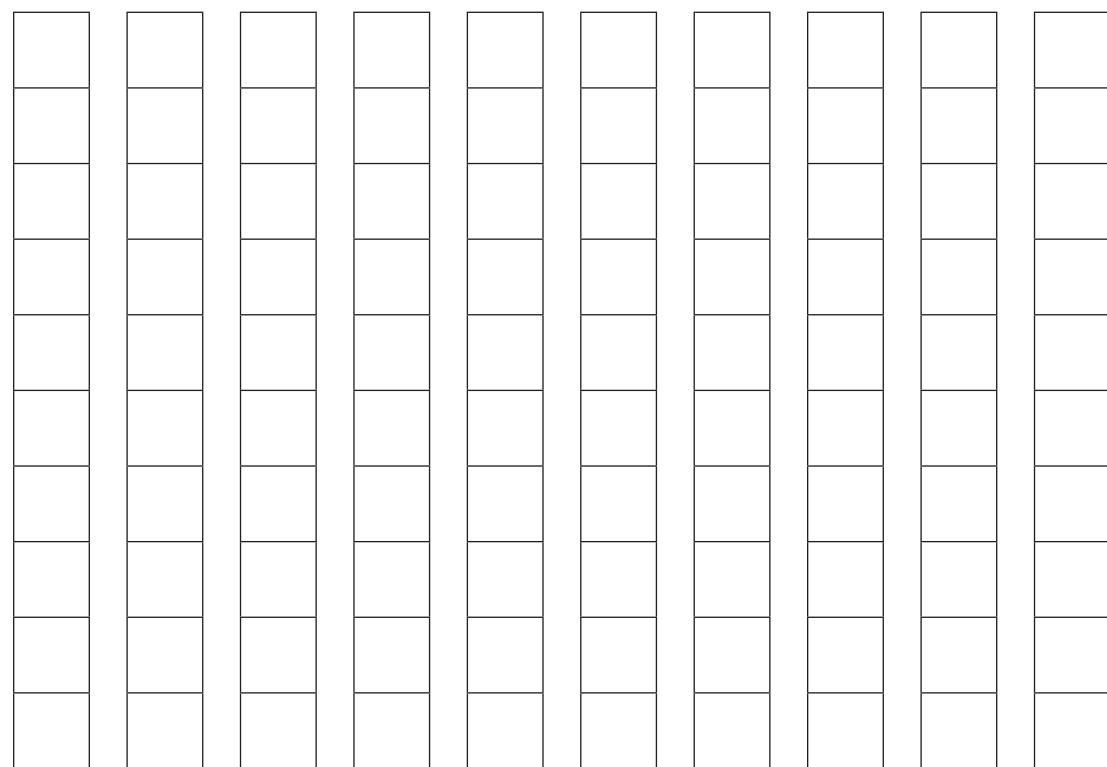
I	I	O	I	O	O
2	2	O	2	O	O
3	3	O	3	O	O
4	4	O	4	O	O
5	5	O	5	O	O
6	6	O	6	O	O
7	7	O	7	O	O
8	8	O	8	O	O
q	q	O	q	O	O
			I	O	O

2. Khume ra matshaku (Tidyondzo to hlayanyana)

Ku endla tshaku u fanele u damareta khume wa maphepha lawa ka khadibodo kutani u tsema tibuloko hinkwato.

- Tibuloko letitsongo u ta tirhisa ku yimela vun'we ka tonā.
- Tibuloko to leha u ti tirhisa ku yimela vukhume.
- Buloko leyikulu yo anama u tirhisa ku yimela madzana.

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3. Swikwere swa 100 leswi nga riki na nchumu (Dyondzo 3)

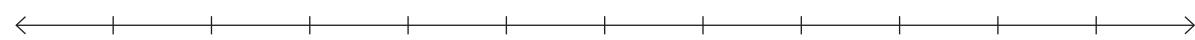
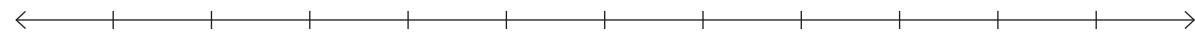
4. Swikwere swa 100 (Tidyondzo to hlayanyana)

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

5. Nomboro ya bodo 101-200 (Tidyondzo 4)

I01	I02	I03	I04	I05	I06	I07	I08	I09	I00
II1	II2	II3	II4	II5	II6	II7	II8	II9	I20
I21	I22	I23	I24	I25	I26	I27	I28	I29	I30
I31	I32	I33	I34	I35	I36	I37	I38	I39	I40
I41	I42	I43	I44	I45	I46	I47	I48	I49	I50
I51	I52	I53	I54	I55	I56	I57	I58	I59	I60
I61	I62	I63	I64	I65	I66	I67	I68	I69	I70
I71	I72	I73	I74	I75	I76	I77	I78	I79	I80
I81	I82	I83	I84	I85	I86	I87	I88	I89	I90
I91	I92	I93	I94	I95	I96	I97	I98	I99	200

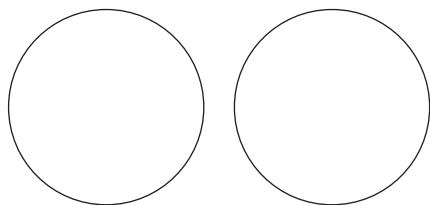
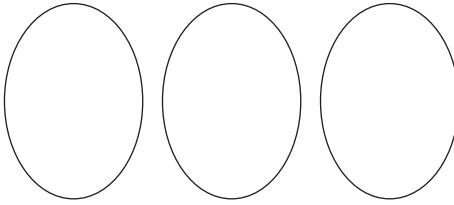
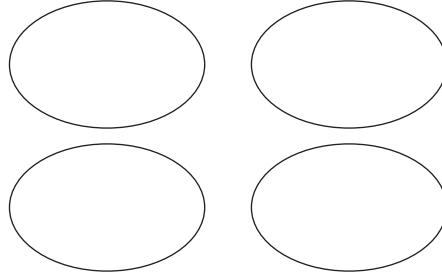
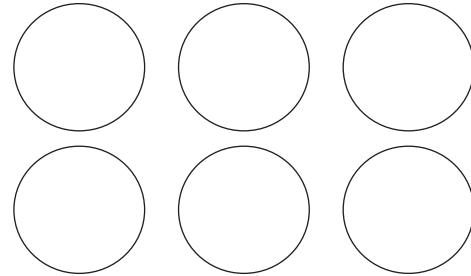
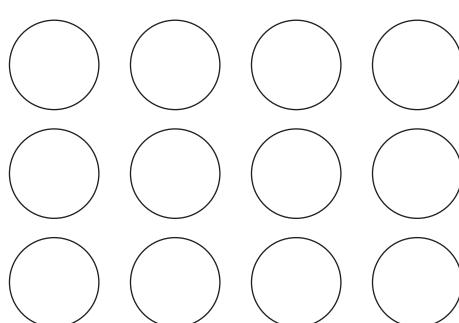
6. Ndzhati wa mintsengo (Tidyondzo ti nga ri tingani)



7. Tifurakixini/ Mimpandzo phepha ra tirho (Dyondzo 29)

Name:

Date:

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

8. 100 wa swikwere (Dyondzo 31)

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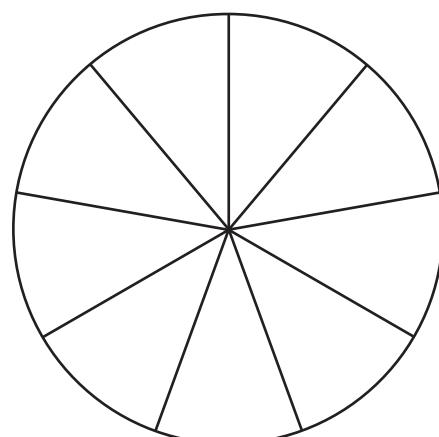
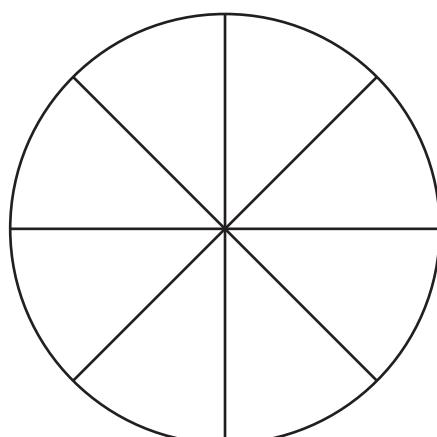
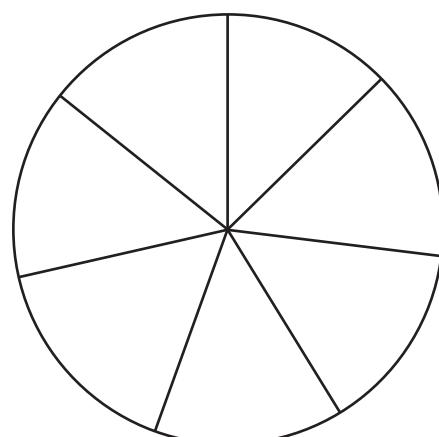
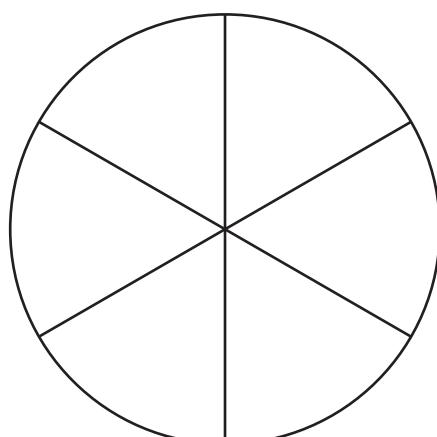
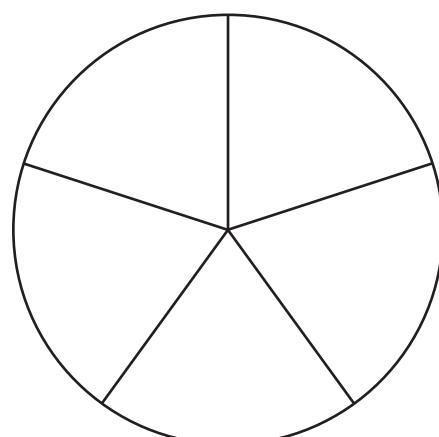
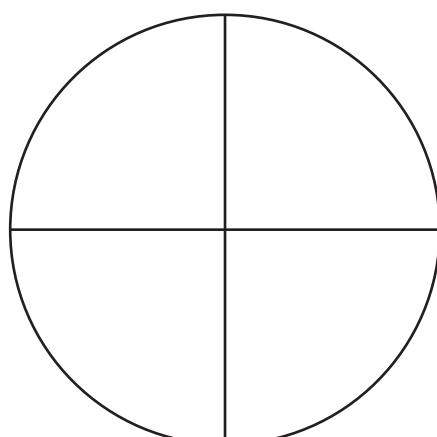
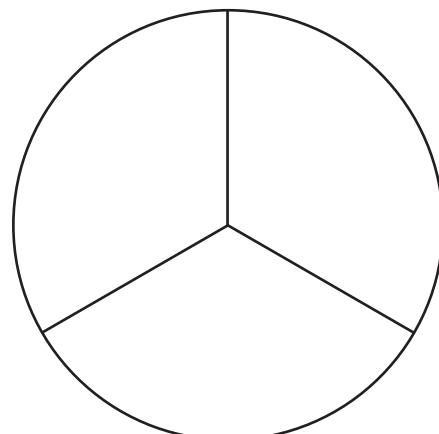
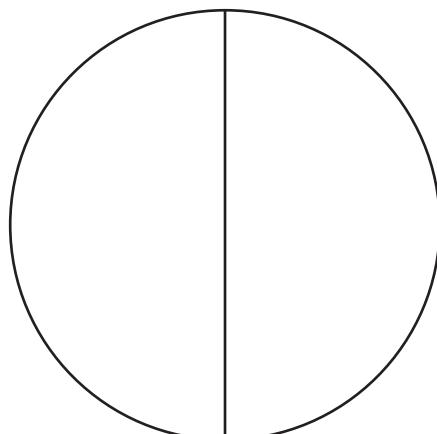
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9. Xirhendzevutana swa swiphemu (Dyondzo 31)



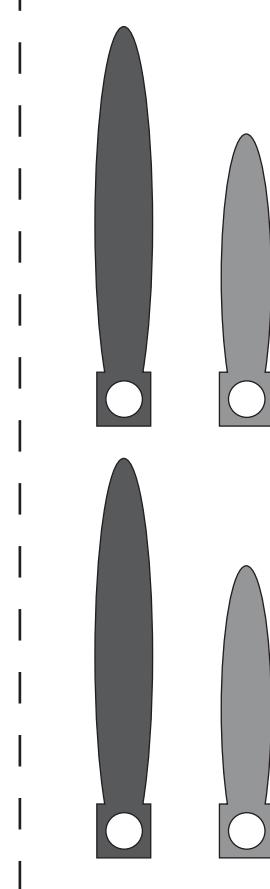
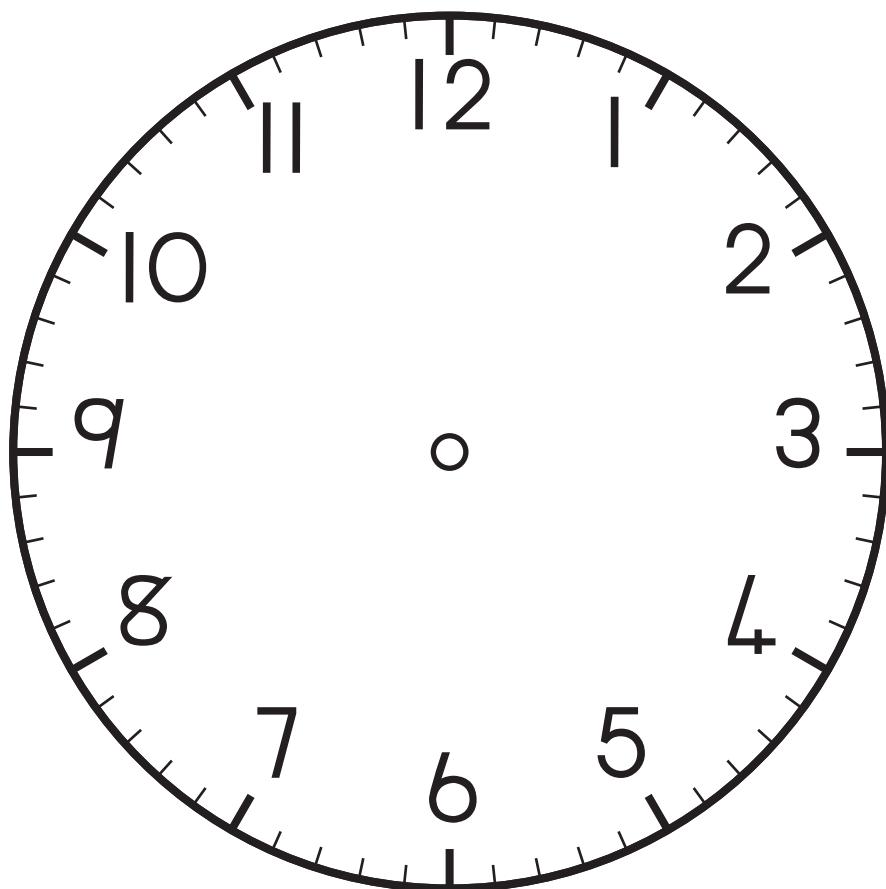
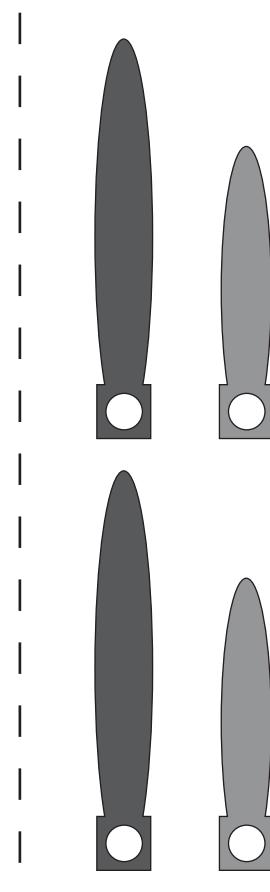
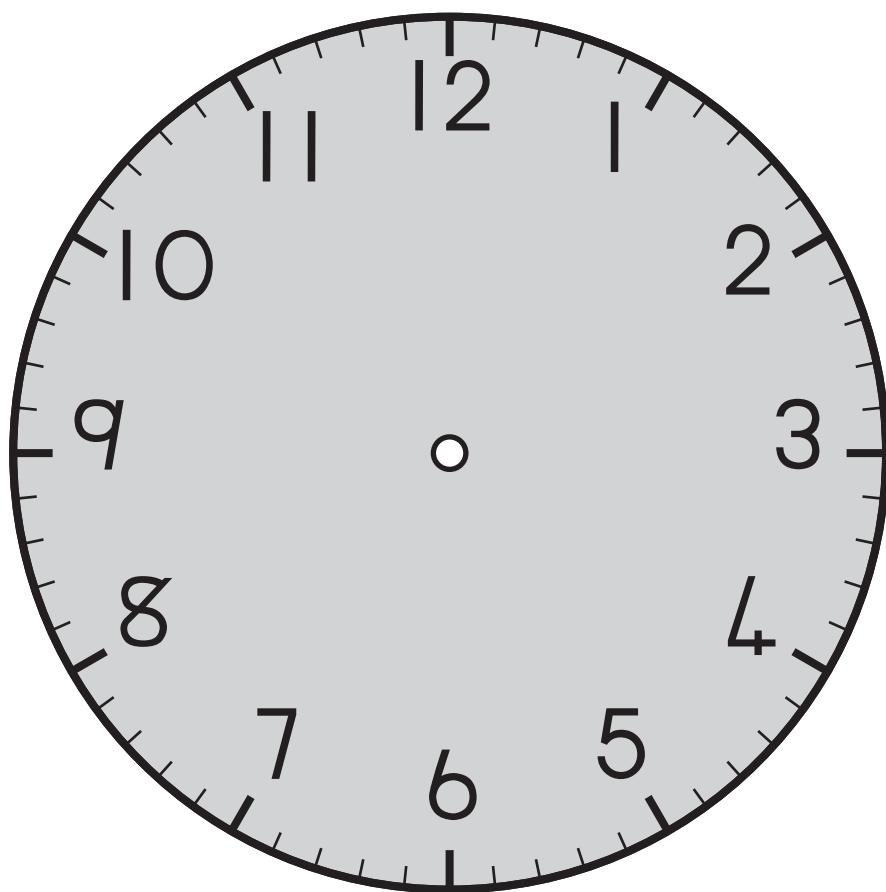
10. Khumbi ra tifurakixini/ Mimpandzo (Dyondzo 31)

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11. Wachi ya analogi (Dyondzo 35 na 36)



12. 1-200 nomboro ya bodo (Dyondzo 38-40)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	100
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

2. Mental Mathematics Challenge Cards: 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

Subtraction number range 0-20

Karata ya Dipalo Hloholo ya 1

Ntšha dinomoro magareng ga 0-20

1. $9 - 2 =$

2. $13 - 5 =$

3. $20 - 2 =$

4. $11 - 4 =$

5. $18 - 10 =$

6. $19 - 11 =$

7. $20 - 10 =$

8. $13 - 2 =$

9. $14 - 5 =$

10. $20 - 11 =$

Maths Challenge Card 2

Addition of multiples of 10 to 100

Karata ya Dipalo Hloholo ya 2

Hlakantšha dikatišonetšwa magareng ga 10 le 100

1. $\square + 70 = 100$

2. $\square + 50 = 100$

3. $20 + \square = 100$

4. $40 + \square = 100$

5. $60 + \square = 100$

6. $90 + \square = 100$

7. $\square + 30 = 100$

8. $\square + 80 = 100$

9. $\square + 20 + 100$

10. $10 + \square = 100$

Maths Challenge Card 3

Doubling and halving

Karata ya Dipalo Hloholo ya 3

Pedifatšo le boripagare

1. $10 + 10 =$

2. $100 + 100 =$

3. $20 + 20 =$

4. $40 + 40 =$

5. $30 + 30 =$

6. $14 \div 2 =$

7. $140 \div 2 =$

8. $12 \div 2 =$

9. $120 \div 2 =$

10. $400 \div 2 =$

Maths Challenge Card 4

Add 10 plus 1 (breaking down 11)

Karata ya Dipalo Hloholo ya 4

Hlakantšha 10 le 1(go hlahlamolla 11)

1. $54 + 11 =$

2. $47 + 11 =$

3. $27 + 11 =$

4. $44 + 11 =$

5. $28 + 11 =$

6. $57 + 11 =$

7. $75 + 11 =$

8. $22 + 11 =$

9. $88 + 11 =$

10. $14 + 11 =$

Maths Challenge Card 1: Answers

Subtraction number range 0-20

Karata ya Dipalo Hlohlo ya 1: Dikarabo

Ntšha dinomoro magareng ga 0-20

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

Maths Challenge Card 2: Answers

Addition of multiples of 10 to 100

Karata ya Dipalo Hlohlo ya 2: Dikarabo

Hlakantšha dikatišonetšwa magareng ga 10 le 100

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

Maths Challenge Card 3: Answers

Doubling and halving

Karata ya Dipalo Hlohlo ya 3: Dikarabo

Pedifatšo le boripagare

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

Maths Challenge Card 4: Answers

Add 10 plus 1 (breaking down 11)

Karata ya Dipalo Hlohlo ya 4: Dikarabo

Hlakantšha 10 le 1(go hlahlamolla 11)

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

Maths Challenge Card 5

Subtract 10 plus 1 (breaking down 11)

Karata ya Dipalo Hlohlo ya 5

Ntšha 10 le 1(hlahlamolla 11)

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

Maths Challenge Card 6

Addition number range 0-20

Karata ya Dipalo Hlohlo ya 6

Hlakantšha dinomoro magareng 0 -20

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

Maths Challenge Card 7Add 10; $10 + 1$ or $10 - 1$ **Karata ya Dipalo Hlohlo ya 7**Hlakantšha 10, $10 + 1$ goba $10 - 1$

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

Maths Challenge Card 8

Counting in 2s and 10s

Karata ya Dipalo Hlohlo ya 8

Go bala ka 2 le ka 10

1. $8, 10, 12, \underline{\quad}, \underline{\quad}, \underline{\quad}$
2. $0, 2, 4, \underline{\quad}, \underline{\quad}, \underline{\quad}$
3. $\underline{\quad}, \underline{\quad}, \underline{\quad}, 6, 4, 2$
4. $\underline{\quad}, \underline{\quad}, \underline{\quad}, 12, 14, 16$
5. $20, 18, 16, \underline{\quad}, \underline{\quad}, \underline{\quad}$
6. $10, 20, 30, \underline{\quad}, \underline{\quad}, \underline{\quad}$
7. $\underline{\quad}, \underline{\quad}, \underline{\quad}, 80, 90, 100$
8. $\underline{\quad}, \underline{\quad}, \underline{\quad}, 60, 50, 40$
9. $30, \underline{\quad}, \underline{\quad}, \underline{\quad}, 70$
10. $60, \underline{\quad}, \underline{\quad}, \underline{\quad}, 20$

Maths Challenge Card 5: Answers

Subtract 10 plus 1 (breaking down 11)

Karata ya Dipalo Hlohlo ya 5: Dikarabo

Ntšha 10 le 1(hlahlamolla 11)

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

Maths Challenge Card 6: Answers

Addition number range 0–20

Karata ya Dipalo Hlohlo ya 6: Dikarabo

Hlakantšha dinomoro magareng 0 -20

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

Maths Challenge Card 7: Answers

Add 10; $10 + 1$ or $10 - 1$

Karata ya Dipalo Hlohlo ya 7: Dikarabo

Hlakantšha 10, $10 + 1$ goba $10 - 1$

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

Maths Challenge Card 8: Answers

Counting in 2s and 10s

Karata ya Dipalo Hlohlo ya 8: Dikarabo

Go bala ka 2 le ka 10

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

2. 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

Subtraction number range 0-20

Khadi ra ntlhotlho wa Tinhlayo 1

Ku susa exikarhi ka 0-20

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

Maths Challenge Card 2

Addition of multiples of 10 to 100

Khadi rantlhotlho wa Tinhlayo 2

Ku hlanganisa u andzisa ka 10-100

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

Maths Challenge Card 3

Doubling and halving

Khadi rantlhotlho wa Tinhlayo 3

Mbirihata na ku hafula

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

Maths Challenge Card 4

Add 10 plus 1 (breaking down 11)

Khadi rantlhotlho wa Tinhlayo 4

Hlanganisa 10 na 1(u ntlhlatlha 11)

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

Maths Challenge Card 1: Answers

Subtraction number range 0-20

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

Ku susa exikarhi ka 0-20

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

Maths Challenge Card 2: Answers

Addition of multiples of 10 to 100

**Khadi rantlhotlho wa Tinhlayo 2:
Tinhlamulo**

Ku hlanganisa u andzisa ka 10-100

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

Maths Challenge Card 3: Answers

Doubling and halving

**Khadi rantlhotlho wa Tinhlayo 3:
Tinhlamulo**

Mbirihata na ku hafula

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

Maths Challenge Card 4: Answers

Add 10 plus 1 (breaking down 11)

**Khadi rantlhotlho wa Tinhlayo 4:
Tinhlamulo**

Hlanganisa 10 na 1 (u ntlhlatlha 11)

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

Maths Challenge Card 5

Subtract 10 plus 1 (breaking down 11)

Karata ya Dipalo Hloholo ya 5

Ntšha 10 le 1(hlahlamolla 11)

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

Maths Challenge Card 6

Addition number range 0-20

Karata ya Dipalo Hloholo ya 6

Hlakantšha dinomoro magareng 0 -20

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

Maths Challenge Card 7

Add 10; $10 + 1$ or $10 - 1$

Khadi rantlhotlhwa Tinhlayo 7

Hlanganisa 10; $10 + 1$ kumbe 10

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

Maths Challenge Card 8

Counting in 2s and 10s

Khadi rantlhotlhwa Tinhlayo 8

Hlayela hi vu-2 na vu-10

1. $8, 10, 12, \underline{\quad}, \underline{\quad}, \underline{\quad}$
2. $0, 2, 4, \underline{\quad}, \underline{\quad}, \underline{\quad}$
3. $\underline{\quad}, \underline{\quad}, \underline{\quad}, 6, 4, 2$
4. $\underline{\quad}, \underline{\quad}, \underline{\quad}, 12, 14, 16$
5. $20, 18, 16, \underline{\quad}, \underline{\quad}, \underline{\quad}$
6. $10, 20, 30, \underline{\quad}, \underline{\quad}, \underline{\quad}$
7. $\underline{\quad}, \underline{\quad}, \underline{\quad}, 80, 90, 100$
8. $\underline{\quad}, \underline{\quad}, \underline{\quad}, 60, 50, 40$
9. $30, \underline{\quad}, \underline{\quad}, \underline{\quad}, 70$
10. $60, \underline{\quad}, \underline{\quad}, \underline{\quad}, 20$

Maths Challenge Card 5: Answers

Subtract 10 plus 1 (breaking down 11)

**Khadi rantlhotlho wa Tinhlayo 5:
Tinhlamulo**

Susa 10 na 1 (tlhatlha 11)

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

Maths Challenge Card 6: Answers

Addition number range 0–20

**Khadi rantlhotlho wa Tinhlayo 6:
Tinhlamulo**

Ku hlanganisa 0-20

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

Maths Challenge Card 7: Answers

Add 10; $10 + 1$ or $10 - 1$

**Khadi rantlhotlho wa Tinhlayo 7:
Tinhlamulo**

Hlanganisa 10; $10 + 1$ kumbe 10

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

Maths Challenge Card 8: Answers

Counting in 2s and 10s

**Khadi rantlhotlho wa Tinhlayo 8:
Tinhlamulo**

Hlayela hi vu-2 na vu-10

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

3. Enrichment Activity Cards: English version

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

Use of the enrichment activity cards

Optional as required.

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

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

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

Enrichment Activity 1.1

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

	16	
	2	
3	5	
		4

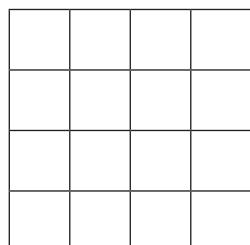
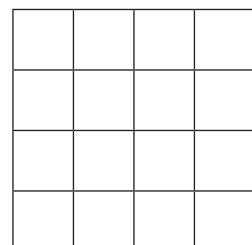
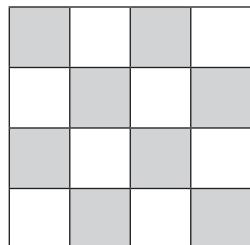
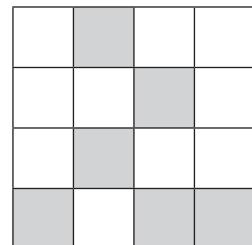
	20	
		0
	4	
	5	

	25	
	9	6
	4	
2		11

	29	
		13
12	5	
	13	

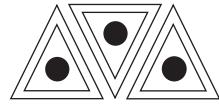
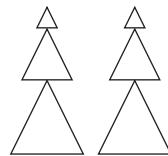
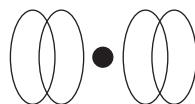
Enrichment Activity 1.2

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



Enrichment Activity 1.3

Complete the patterns.



Enrichment Activity 1.4

Complete the patterns.

4	3	4					
---	---	---	--	--	--	--	--

9	1	2	9				
---	---	---	---	--	--	--	--

6	9	9	3	6			
---	---	---	---	---	--	--	--

2	4	3	2	4			
---	---	---	---	---	--	--	--

Enrichment Activity 1.1: Answers

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

	16	
10	2	4
3	5	8
3	9	4

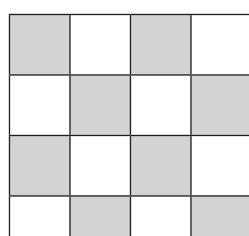
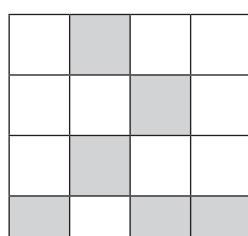
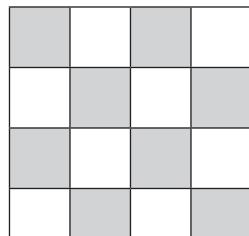
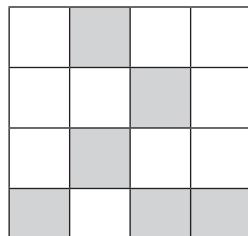
	20	
10	10	0
2	4	14
8	6	6

	25	
10	9	6
13	4	8
2	12	11

	29	
5	11	13
12	5	12
12	13	4

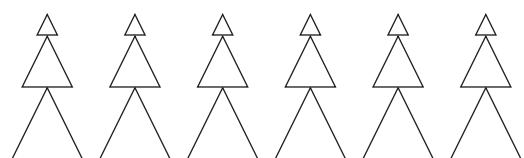
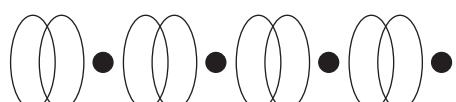
Enrichment Activity 1.2: Answers

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



Enrichment Activity 1.3: Answers

Complete the patterns.



Enrichment Activity 1.4: Answers

Complete the patterns.

4	3	4	3	4	3	4	3
---	---	---	---	---	---	---	---

9	1	2	9	1	2	9	1
---	---	---	---	---	---	---	---

6	9	9	3	6	9	9	3
---	---	---	---	---	---	---	---

2	4	3	2	4	3	2	4
---	---	---	---	---	---	---	---

Enrichment Activity 1.5

Measure with your ruler.

How long is your thumb? _____ cm

How long is your ring finger? _____ cm

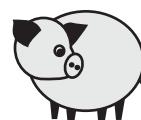
Measure your pencil. _____ cm.

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

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

Enrichment Activity 1.6

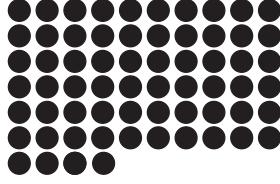
Circle the pictures that you see from the top blue, and the ones you see from the front red.



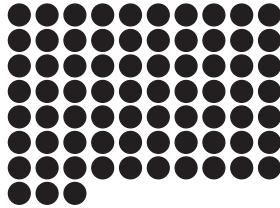
Enrichment Activity 1.7

Enrichment Activity 1.7

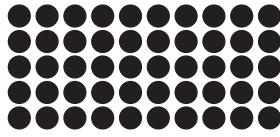
Write how many tens and units there are in each group.



_____ tens _____ ones/units



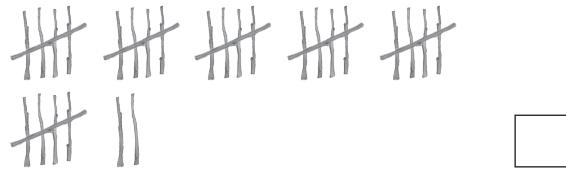
_____ tens _____ ones/units



_____ tens _____ ones/units

Enrichment Activity 1.8

How many sticks are there.



Draw 48 sticks in the same way:

Enrichment Activity 1.5: Answers

Measure with your ruler.

Answers will vary

How long is your thumb? _____ cm

How long is your ring finger? _____ cm

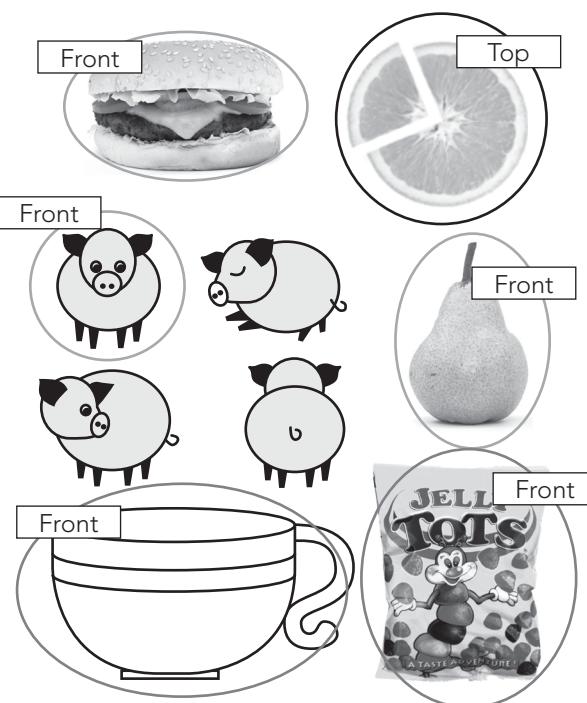
Measure your pencil. _____ cm.

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

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

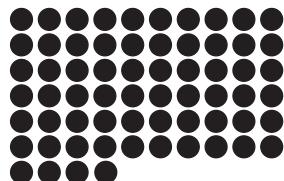
Enrichment Activity 1.6: Answers

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

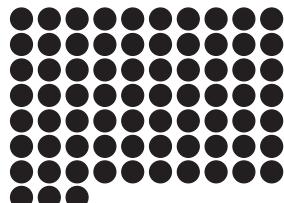


Enrichment Activity 1.7: Answers

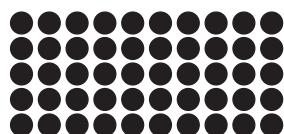
Write how many tens and units there are in each group.



6 tens 4 ones/units



7 tens 3 ones/units



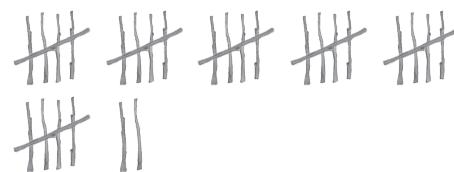
5 tens 0 ones/units

Enrichment Activity 1.8: Answers

How many sticks are there.

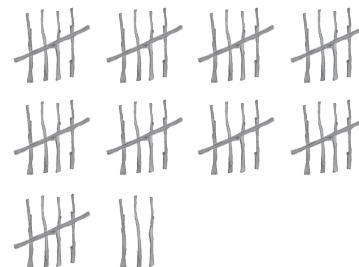


21



32

Draw 48 sticks in the same way:



Enrichment Activity 1.9

Match the number with the number name.

21
43
45
29
58
51
54
67
76

Forty-three
Twenty-nine
Fifty-one
Seventy-six
Twenty-one
Forty-five
Sixty-seven
Fifty-four
Fifty-eight

Enrichment Activity 1.10

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

19	9	3	31	7
----	---	---	----	---

12	48	41	10	9
----	----	----	----	---

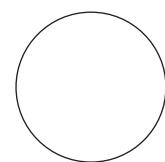
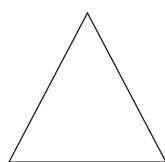
31	12	38	24	30
----	----	----	----	----

5	9	35	45	10
---	---	----	----	----

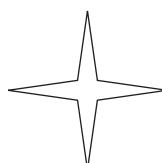
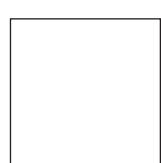
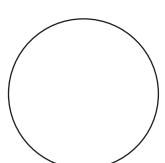
Enrichment Activity 1.11

Divide these shapes into:

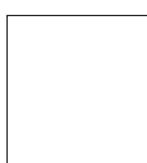
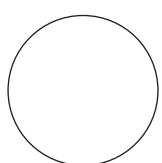
Halves



Quarters

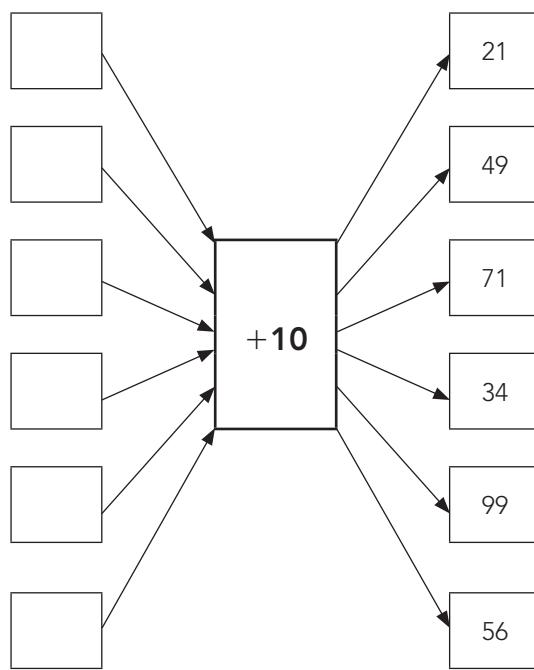


Thirds



Enrichment Activity 1.12

Complete the following:



Enrichment Activity 1.9: Answers

Match the number with the number name.

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

Enrichment Activity 1.10: Answers

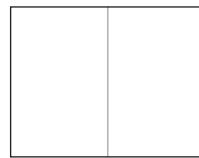
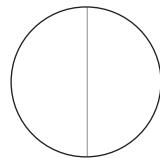
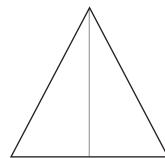
Colour two numbers in each row that add up to 50.

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

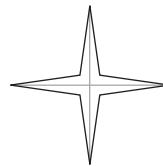
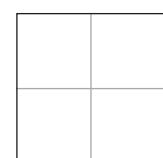
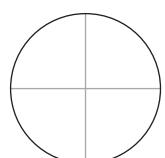
Enrichment Activity 1.11: Answers

Divide these shapes into:

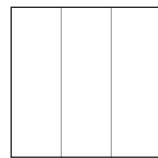
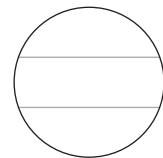
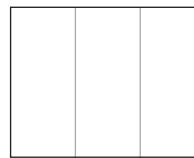
Halves



Quarters

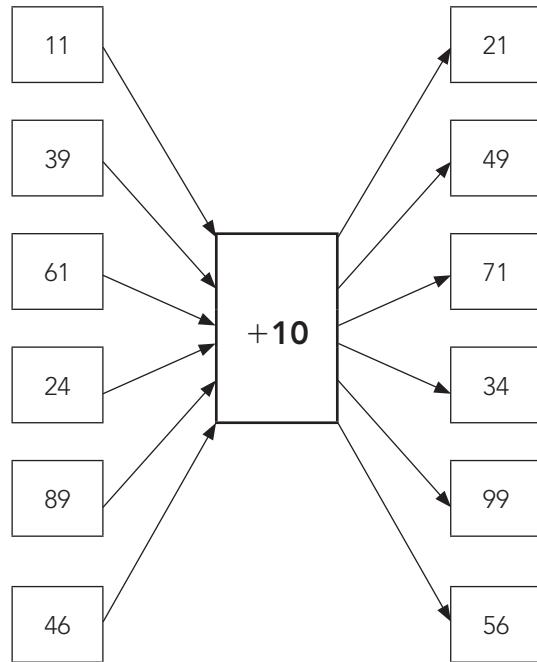


Thirds



Enrichment Activity 1.12: Answers

Complete the following:



Enrichment Activity 1.13

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

$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 9 & 21 & 13 & + & 17 & 11 & 19 & = & 40 \\ \hline \end{array}$$

$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 41 & 12 & 29 & + & 19 & 11 & 38 & = & 50 \\ \hline \end{array}$$

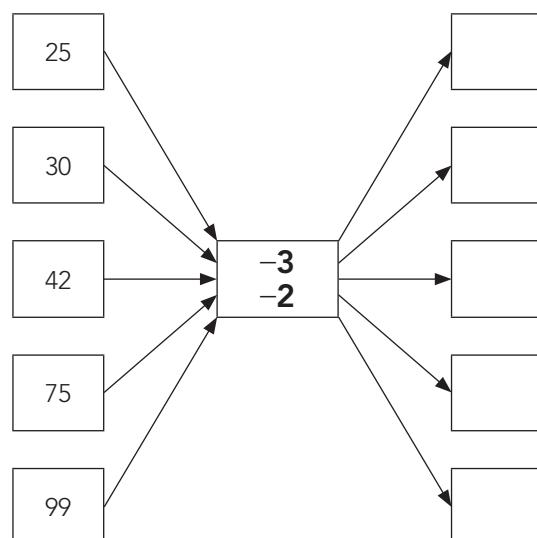
$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 14 & 9 & 8 & + & 15 & 21 & 22 & = & 30 \\ \hline \end{array}$$

$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 13 & 6 & 2 & + & 7 & 9 & 12 & = & 20 \\ \hline \end{array}$$

$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 10 & 21 & 37 & + & 23 & 40 & 33 & = & 60 \\ \hline \end{array}$$

Enrichment Activity 1.14

Complete the following:



Enrichment Activity 1.15

Colour the circles:



Colour the first circle red.

Colour the last circle blue.

Colour the eighth circle green.

Colour the ninth circle yellow.

Colour the sixth circle pink.

Colour the third circle black.

Colour the second circle orange.

Enrichment Activity 1.16

Can you solve these problems?

1. Mom had R48.
She bought a cake for R45 and
a sweet for R1.
How much money does she have left?
2. Thandi had 80c.
She spent 25c on sweets and
18c on juice.
How much money does she have left?

Enrichment Activity 1.13: Answers

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

$$9 \quad 21 \quad 13 \quad + \quad 17 \quad 11 \quad 19 \quad = \quad 40$$

$$41 \quad 12 \quad 29 \quad + \quad 19 \quad 11 \quad 38 \quad = \quad 50$$

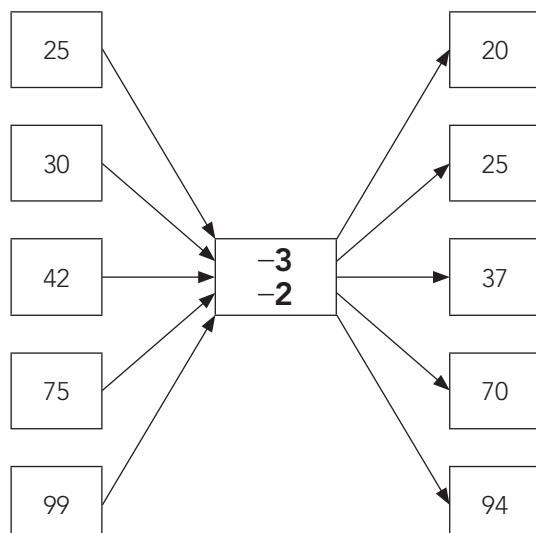
$$14 \quad 9 \quad 8 \quad + \quad 15 \quad 21 \quad 22 \quad = \quad 30$$

$$13 \quad 6 \quad 2 \quad + \quad 7 \quad 9 \quad 12 \quad = \quad 20$$

$$10 \quad 21 \quad 37 \quad + \quad 23 \quad 40 \quad 33 \quad = \quad 60$$

Enrichment Activity 1.14: Answers

Complete the following:



Enrichment Activity 1.15: Answers

Colour the circles:



Colour the first circle red.

Colour the last circle blue.

Colour the eighth circle green.

Colour the ninth circle yellow.

Colour the sixth circle pink.

Colour the third circle black.

Colour the second circle orange.

Enrichment Activity 1.16: Answers

Can you solve these problems?

1. Mom had R48.

She bought a cake for R45 and
a sweet for R1.

How much money does she have left?

R2

2. Thandi had 80c.

She spent 25c on sweets and
18c on juice.

How much money does she have left?

37c

Enrichment Activity 1.17

Make a tick (\checkmark) if the answer is correct.

Make a cross (\times) if the answer is wrong.

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

Enrichment Activity 1.18

Look at these patterns.

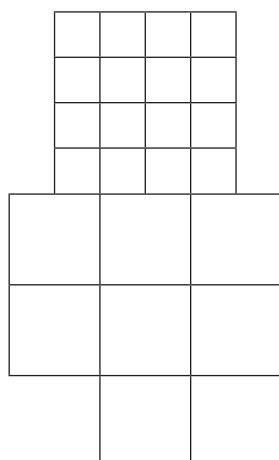
Make a tick (\checkmark) if the answer is correct.

Make a cross (\times) if the answer is wrong.

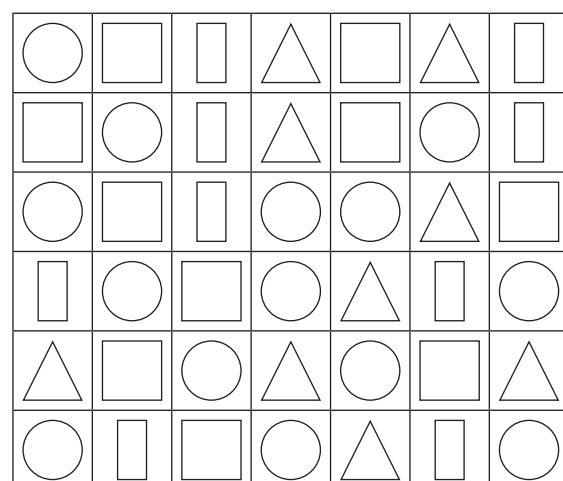
13*15*17*19*21*23*25*27	
82*84*86*90*92*94*96	
110*120*130*130*140*160*170	
85*90*95*100*125*130*135	
11*12*13*17*18*19*20*21	

Enrichment Activity 1.19

How many squares can you count?

**Enrichment Activity 1.20**

Find the shapes.



How many

triangles? _____

circles? _____

rectangles? _____

squares? _____

Enrichment Activity 1.17: Answers

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

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

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

Enrichment Activity 1.18: Answers

Look at these patterns.

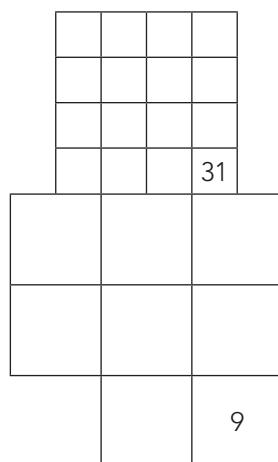
Make a tick (✓) if the answer is correct.

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

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

Enrichment Activity 1.19: Answers

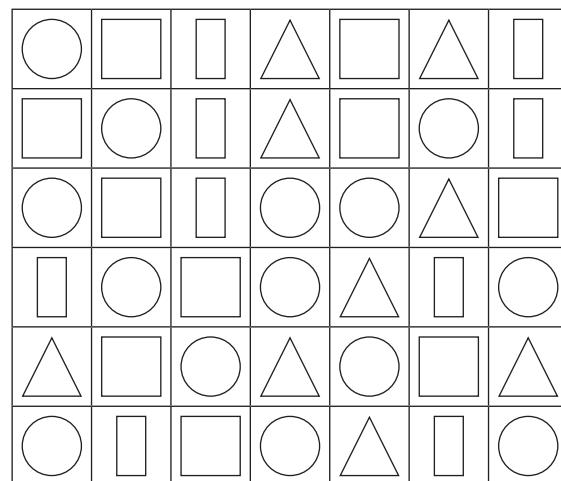
How many squares can you count?



40 squares

Enrichment Activity 1.20: Answers

Find the shapes.



How many

triangles? 9

circles? 14

rectangles? 9

squares? 10

Enrichment Activity 1.21

Complete the following:

10 more than 18 is _____

7 less than 20 is _____

12 less than 19 is _____

24 more than 16 is _____

31 more than 17 is _____

18 more than 15 is _____

15 more than 18 is _____

12 less than 20 is _____

41 more than 13 is _____

Enrichment Activity 1.22

Complete the following:

Double 4 plus 30 is _____

Double 6 plus 21 is _____

Double 5 plus 15 is _____

Double 7 plus 33 is _____

Double 9 plus 21 is _____

Enrichment Activity 1.23

Complete the pattern.

59	64	69						
----	----	----	--	--	--	--	--	--

74	77	80						
----	----	----	--	--	--	--	--	--

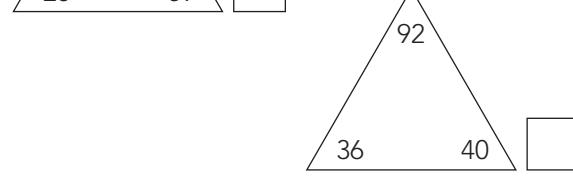
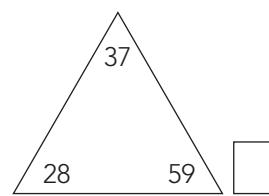
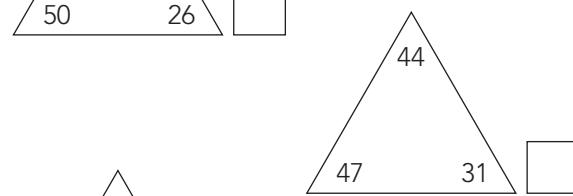
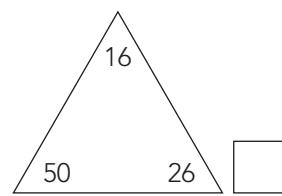
69	65	61						
----	----	----	--	--	--	--	--	--

200	190							
-----	-----	--	--	--	--	--	--	--

Enrichment Activity 1.24

What is the value of each triangle?

Write the answer in the square.



Enrichment Activity 1.21: Answers

Complete the following:

10 more than 18 is 28

7 less than 20 is 13

12 less than 19 is 7

24 more than 16 is 40

31 more than 17 is 48

18 more than 15 is 33

15 more than 18 is 33

12 less than 20 is 8

41 more than 13 is 54

Enrichment Activity 1.22: Answers

Complete the following:

Double 4 plus 30 is 38

Double 6 plus 21 is 33

Double 5 plus 15 is 25

Double 7 plus 33 is 47

Double 9 plus 21 is 39

Enrichment Activity 1.23: Answers

Complete the pattern.

59	64	69	74	79	84	89	94	99
----	----	----	----	----	----	----	----	----

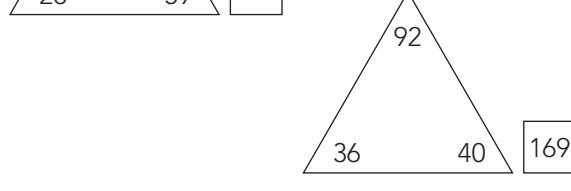
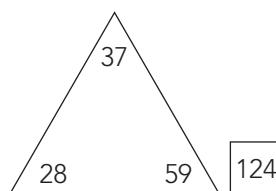
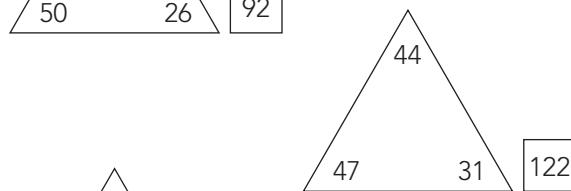
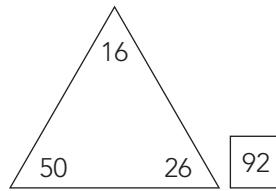
74	77	80	83	86	89	92	95	98
----	----	----	----	----	----	----	----	----

69	65	61	57	53	49	45	41	37
----	----	----	----	----	----	----	----	----

200	190	180	170	160	150	140	130	120
-----	-----	-----	-----	-----	-----	-----	-----	-----

Enrichment Activity 1.24: Answers

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



Enrichment Activity 1.25

Write the answer in numbers.

Sixty-one plus thirteen equals _____

Forty-eight plus twenty-one equals _____

Thirty-three plus thirteen equals _____

Sixty take away fifteen equals _____

One hundred take away fifteen equals _____

Twenty-nine plus forty-one equals _____

Enrichment Activity 1.26

Who am I?

I am the day before Monday. _____

I am the day between Friday and Sunday.

I am the first day of the weekend.

I am the first day of the week. _____

I am the day before Wednesday. _____

Enrichment Activity 1.27

Number sentences.

Use the numbers in the boxes to make sums.

32
48
16

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

18
37
19

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

6
51
62
5

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

Enrichment Activity 1.28

Who am I?

I am the month before May. _____

I am the month after June. _____

I am the month between October and December. _____

I am the first month of spring. _____

I am the last month of the year. _____

I am the tenth month. _____

Enrichment Activity 1.25: Answers

Write the answer in numbers.

Sixty-one plus thirteen equals 74

Forty-eight plus twenty-one equals 69

Thirty-three plus thirteen equals 46

Sixty take away fifteen equals 45

One hundred take away fifteen equals 85

Twenty-nine plus forty-one equals 70

Enrichment Activity 1.26: Answers

Who am I?

I am the day before Monday.

Sunday

I am the day between Friday and Sunday.

Saturday

I am the first day of the weekend.

Saturday

I am the first day of the week.

Monday

I am the day before Wednesday.

Tuesday

Enrichment Activity 1.27: Answers

Number sentences.

Use the numbers in the boxes to make sums.

32	
48	16

$16 + 32 = 48$

18	
37	19

$18 + 19 = 37$

6	62
51	5

$51 + 6 + 5 = 62$

Enrichment Activity 1.28: Answers

Who am I?

I am the month before May.

April

I am the month after June.

July

I am the month between October and December.

November

I am the first month of spring.

September

I am the last month of the year.

December

I am the tenth month.

October

Enrichment Activity 1.29

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

$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 46 & 60 & 31 & + & 1 & 0 & 32 & = & 63 \\ \hline \end{array}$$

$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 8 & 15 & 23 & + & 82 & 77 & 29 & = & 90 \\ \hline \end{array}$$

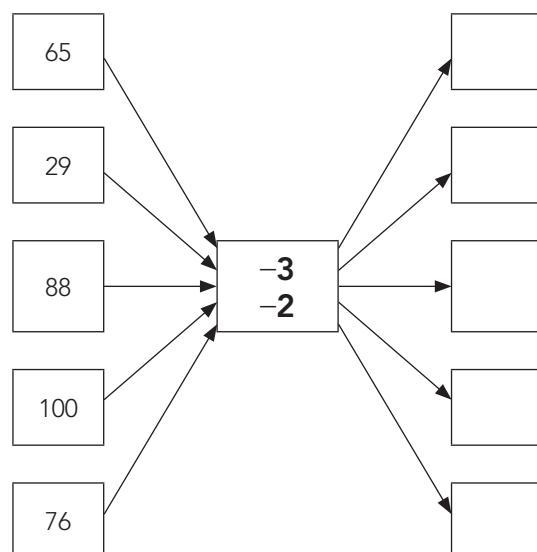
$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 4 & 48 & 22 & + & 43 & 11 & 12 & = & 59 \\ \hline \end{array}$$

$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 31 & 26 & 29 & + & 16 & 8 & 92 & = & 47 \\ \hline \end{array}$$

$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 40 & 60 & 20 & + & 44 & 11 & 51 & = & 71 \\ \hline \end{array}$$

Enrichment Activity 1.30

Complete the following:



Enrichment Activity 1.31

Colour the circles:



Colour the first circle red.

Colour the last circle blue.

Colour the eighteenth circle green.

Colour the nineteenth circle yellow.

Colour the sixteenth circle pink.

Colour the third circle black.

Colour the fifteenth circle orange.

Colour the eleventh circle brown.

Enrichment Activity 1.32

Can you solve these problems?

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

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

Enrichment Activity 1.29: Answers

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

$$46 \quad 60 \quad 31 \quad + \quad 1 \quad 0 \quad 32 \quad = \quad 63$$

$$8 \quad 15 \quad 23 \quad + \quad 82 \quad 77 \quad 29 \quad = \quad 90$$

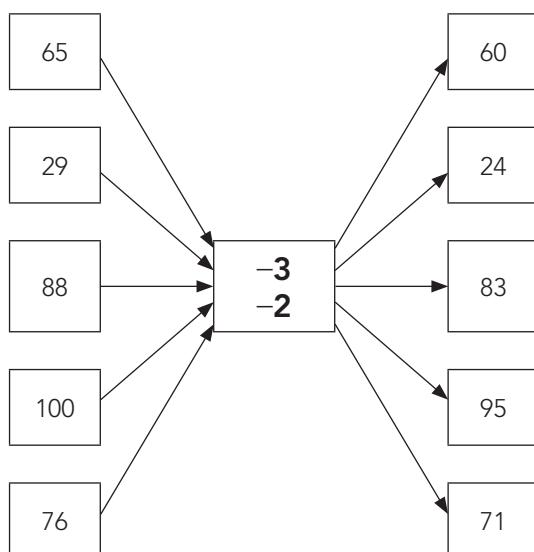
$$4 \quad 48 \quad 22 \quad + \quad 43 \quad 11 \quad 12 \quad = \quad 59$$

$$31 \quad 26 \quad 29 \quad + \quad 16 \quad 8 \quad 92 \quad = \quad 47$$

$$40 \quad 60 \quad 20 \quad + \quad 44 \quad 11 \quad 51 \quad = \quad 71$$

Enrichment Activity 1.30: Answers

Complete the following:



Enrichment Activity 1.31: Answers

Colour the circles:

R ● Bl ● ● ● ● ● ●

Br ● ● ● O P ● G Y B

Colour the first circle red.

Colour the last circle blue.

Colour the eighteenth circle green.

Colour the nineteenth circle yellow.

Colour the sixteenth circle pink.

Colour the third circle black.

Colour the fifteenth circle orange.

Colour the eleventh circle brown.

Enrichment Activity 1.32: Answers

Can you solve these problems?

1. Mom had R58.

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

R1

2. Thandi had 520c.

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

35c

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

Mošongwana wa go oketša tšebo 1.1

Feleletša dikwere tša mehlolo. Dikholomo kamoka di swanetše go ba palo mo godimo ga dikwere.

	16	
	2	
3	5	
		4

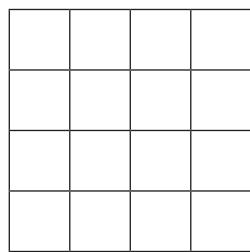
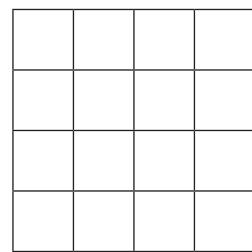
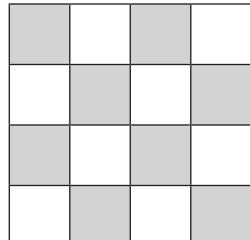
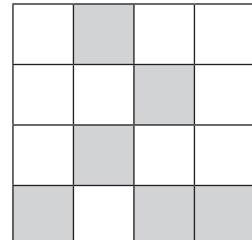
	20	0
		4
		5

	25	
	9	6
	4	
2		11

	29	13
	12	5
	13	

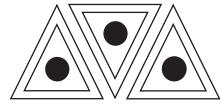
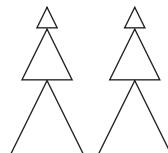
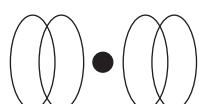
Mošongwana wa go oketša tšebo 1.2

Khalara dikwere tša ka fase go nyalana le tša ka mo godimo.



Mošongwana wa go oketša tšebo 1.3

Feleletša dipaterone:



Mošongwana wa go oketša tšebo 1.4

Feleletša dipaterone:

4	3	4					
---	---	---	--	--	--	--	--

9	1	2	9				
---	---	---	---	--	--	--	--

6	9	9	3	6			
---	---	---	---	---	--	--	--

2	4	3	2	4			
---	---	---	---	---	--	--	--

Karabo ya koketšo tšebo 1.1

Feleletša dikwere tša mehlolo. Dikholumo kamoka di swanetše go ba palo mo godimo ga dikwere.

	16	
10	2	4
3	5	8
3	9	4

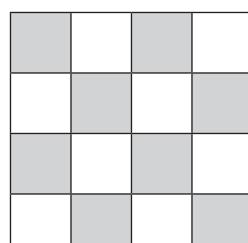
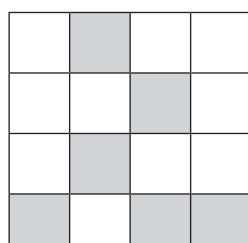
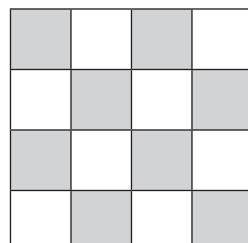
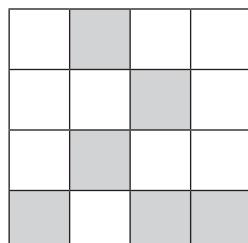
	20	
10	10	0
2	4	14
8	6	6

	25	
10	9	6
13	4	8
2	12	11

	29	
5	11	13
12	5	12
12	13	4

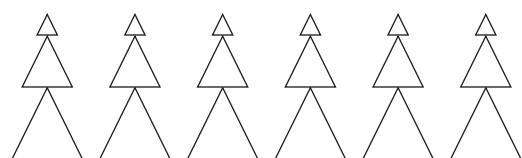
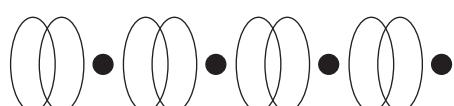
Karabo ya koketšo tšebo 1.2

Khalara dikwere tša ka fase go nyalana le tša ka mo godimo.



Karabo ya koketšo tšebo 1.3

Feleletša dipaterone:



Karabo ya koketšo tšebo 1.4

Feleletša dipaterone:

4	3	4	3	4	3	4	3
---	---	---	---	---	---	---	---

9	1	2	9	1	2	9	1
---	---	---	---	---	---	---	---

6	9	9	3	6	9	9	3
---	---	---	---	---	---	---	---

2	4	3	2	4	3	2	4
---	---	---	---	---	---	---	---

Mošongwana wa go oketša tšebo 1.5

Meta ka rula ya gago:

Meta ka rula ya gago. Monwana wa gago wa nkgogorupa o botelle bo bo kaakang?

_____ cm

Monwana wa palamonwana o botelele bo bo kaakang? _____ cm

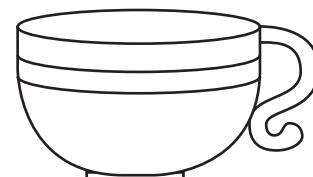
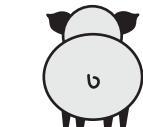
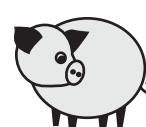
Meta phensele ya gago? _____ cm

Thala mothaladi wa bonnyane ba 2cm wa go lekana le monwanwa wa gago wa palamonwana? _____ cm

Thala mothaladi wa boteletšana ba 3cm go lekana le monwana wa gago wa mogorupa?
_____ cm

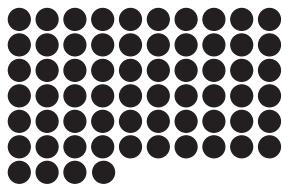
Mošongwana wa go oketša tšebo 1.6

Thala mothaladi wa boteletsana ba 3cm go lekana le monwana wa gago wa mogorupa.

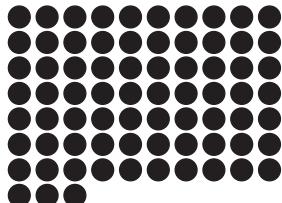


Mošongwana wa go oketša tšebo 1.7

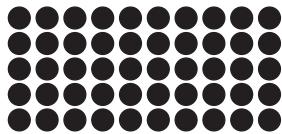
Ngwala gore go nale le masome le metšo e mekae mo sehlopheng se sengwe le se sengwe.



Masome ____ Metšo ____



Masome ____ Metšo ____



Masome ____ Metšo ____

Mošongwana wa go oketša tšebo 1.8

Go nale dithali tše kae?



Thala dithali tše 48 wa go tshwana:

Karabo ya koketšo tšebo 1.5

Meta ka rula ya gago:

Dikarabo di a fapania.

Meta ka rula ya gago. Monwana wa gago wa nkgogorupa o botelle bo bo kaakang? _____ cm

Monwana wa palamonwana o botelele bo bo kaakang? _____ cm

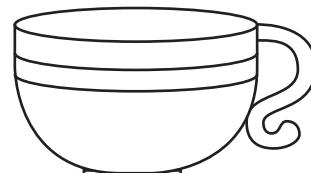
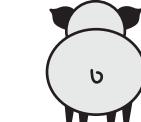
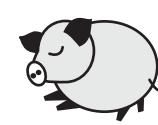
Meta phensele ya gago? _____ cm

Thala mothaladi wa bonnyane ba 2cm wa go lekana le monwanwa wa gago wa palamonwana? _____ cm

Thala mothaladi wa boteletšana ba 3cm go lekana le monwana wa gago wa mogogorupa? _____ cm

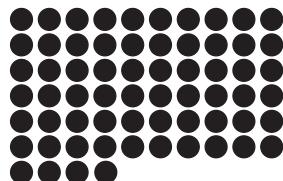
Karabo ya koketšo tšebo 1.6

Thala mothaladi wa boteletsana ba 3cm go lekana le monwana wa gago wa mogogorupa.

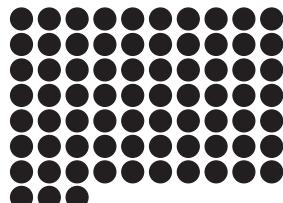


Karabo ya koketšo tšebo 1.7

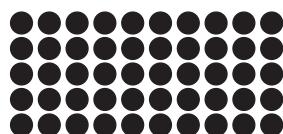
Bhala ukuba mangaphi amashumi kunye neeyunithsu kwiqela ngalinye.



Masome 6 Metšo 4



Masome 7 Metšo 3



Masome 5 Metšo 0

Karabo ya koketšo tšebo 1.8

Go nale dithali tše kae?

||||| ||||| ||||| ||||| |

21

||||| ||||| ||||| ||||| |||||
||||| |||

32

Thala dithali tše 48 wa go tshwana:

Mošongwana wa go oketša tšebo 1.9

Ngqamanisa amanani kunye namagama manani.

21
43
45
29
58
51
54
67
76

Masometharonne
Masomepedisenyane
Masomehlanotee
Masomešupatshela
Masomepeditee
Masomennehlano
Masometshelašupae
Masomehlanonne
Masomehlanoseswai

Mošongwana wa go oketša tšebo 1.10

Khalara dinomoro tše pedi mo reing engwe le engwe ge di hlakanang go ba 50.

19	9	3	31	7
----	---	---	----	---

12	48	41	10	9
----	----	----	----	---

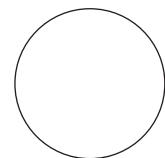
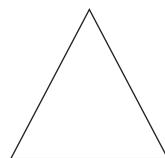
31	12	38	24	30
----	----	----	----	----

5	9	35	45	10
---	---	----	----	----

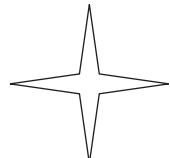
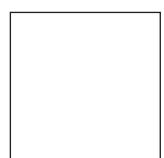
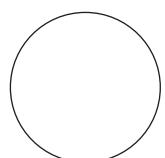
Mošongwana wa go oketša tšebo 1.11

Arola dibopego tše ka:

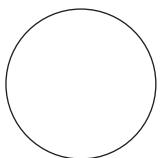
Diripagare



Dikotara

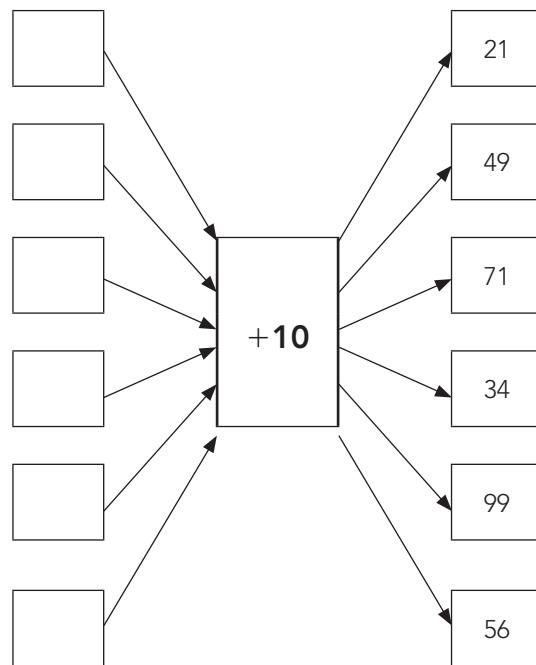


Teetharong



Mošongwana wa go oketša tšebo 1.12

Feleletša tše di latelago:



Karabo ya koketšo tšebo 1.9

Ngqamanisa amanani kunye namagama manani.
manani.

21	Masometharonne
43	Masomepedisenyane
45	Masomehlanotee
29	Masomešupatshela
58	Masomepeditee
51	Masomennehlano
54	Masometshelašupae
67	Masomehlanonne
76	Masomehlanoseswai

Karabo ya koketšo tšebo 1.10

Khalara dinomoro tše pedi mo reing engwe le
engwe ge di hlakanang go ba 50.

19	9	3	31	7
----	---	---	----	---

12	48	41	10	9
----	----	----	----	---

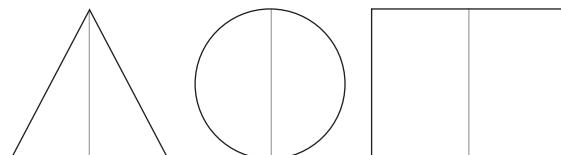
31	12	38	24	30
----	----	----	----	----

5	9	35	45	10
---	---	----	----	----

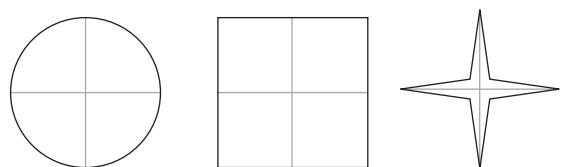
Karabo ya koketšo tšebo 1.11

Arola dibopego tše ka:

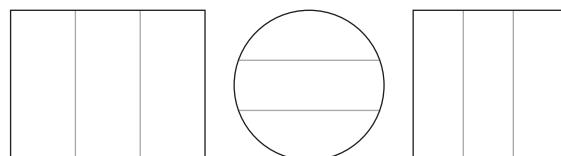
Diripagare



Dikotara

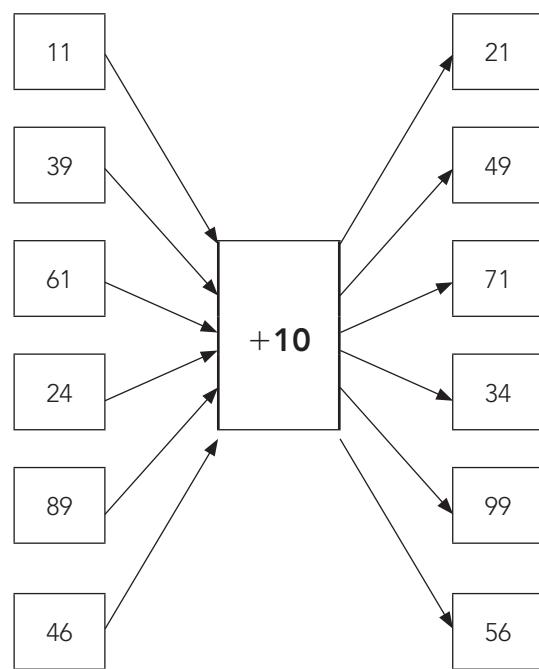


Teetharong



Karabo ya koketšo tšebo 1.12

Feleletša tše di latelago:



Mošongwana wa go oketša tšebo 1.13

Khalara dinomoro tšebo di hlakanago go dira karabo ye ifilwego.

$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 9 & 21 & 13 & + & 17 & 11 & 19 & = & 40 \\ \hline \end{array}$$

$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 41 & 12 & 29 & + & 19 & 11 & 38 & = & 50 \\ \hline \end{array}$$

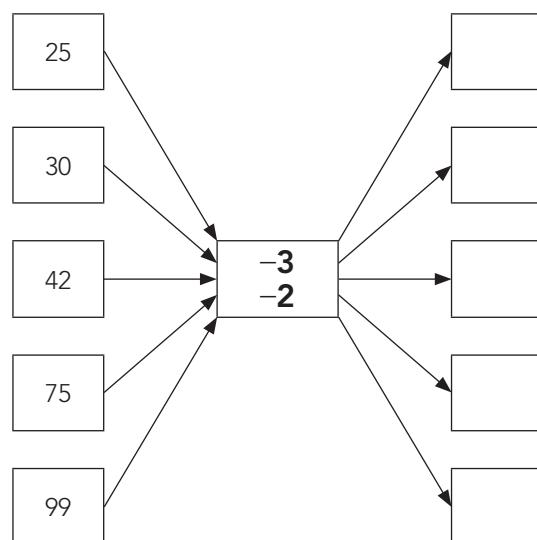
$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 14 & 9 & 8 & + & 15 & 21 & 22 & = & 30 \\ \hline \end{array}$$

$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 13 & 6 & 2 & + & 7 & 9 & 12 & = & 20 \\ \hline \end{array}$$

$$\begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline 10 & 21 & 37 & + & 23 & 40 & 33 & = & 60 \\ \hline \end{array}$$

Mošongwana wa go oketša tšebo 1.14

Feleletša tšebo di latelago:



Mošongwana wa go oketša tšebo 1.15

Khalara didiko:



Khalara sediko sa mathomo ka bokhwibidu.

Khalara sediko sa mafelelo ka mmala wa talalerata.

Khalara sediko sa bosewai ka talamorogo.

Khalara sediko sa bosenyane ka serolwana

Khalara sediko sa botshela ka bopinki.

Khalara sediko sa boraro ka bontsho.

Khalara sediko sa bone ka mmala wa namune.

Mošongwana wa go oketša tšebo 1.16

Naa o kcona go rarabolla mathata a?

1. Mma o nale R48. O rekile khekhe ka R45 le malekere ka R1. O šaletšwe ke bokae?
2. Thandi o be a nale 80c. O šomišitše 25c go raka malekere le 18c go reka mageu. O šaletšwe ke bokae?

Karabo ya koketšo tšebo 1.13

Khalara dinomoro tšebo di hlakanago go dira karabo ye ifilwego.

$$9 \quad 21 \quad 13 \quad + \quad 17 \quad 11 \quad 19 \quad = \quad 40$$

$$41 \quad 12 \quad 29 \quad + \quad 19 \quad 11 \quad 38 \quad = \quad 50$$

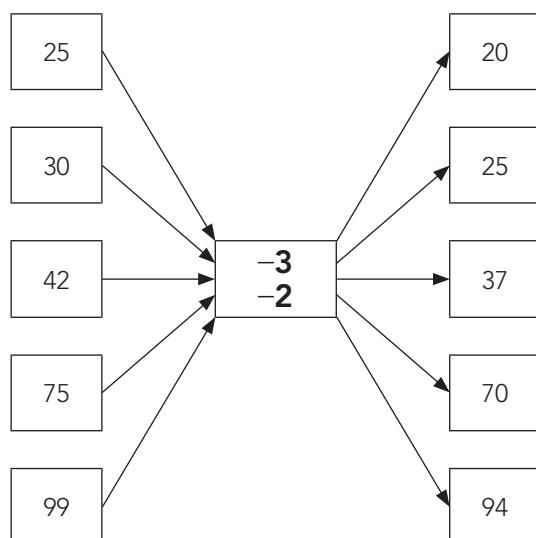
$$14 \quad 9 \quad 8 \quad + \quad 15 \quad 21 \quad 22 \quad = \quad 30$$

$$13 \quad 6 \quad 2 \quad + \quad 7 \quad 9 \quad 12 \quad = \quad 20$$

$$10 \quad 21 \quad 37 \quad + \quad 23 \quad 40 \quad 33 \quad = \quad 60$$

Karabo ya koketšo tšebo 1.14

Feleletša tšebo di latelago:



Karabo ya koketšo tšebo 1.15

Khalara didiko:



Khalara sediko sa mathomo ka bokhwibidu.

Khalara sediko sa mafelelo ka mmala wa talalerata.

Khalara sediko sa bosewai ka talamorogo.

Khalara sediko sa bosenyane ka serolwana

Khalara sediko sa botshela ka bopinki.

Khalara sediko sa boraro ka bontsho.

Khalara sediko sa bone ka mmala wa namune.

Karabo ya koketšo tšebo 1.16

Naa o kgona go rarabolla mathata a?

1. Mma o nale R48. O rekile khekhe ka R45 le malekere ka R1. O šaletšwe ke bokae?

R2

2. Thandi o be a nale 80c. O šomišitše 25c go raka malekere le 18c go reka mageu. O šaletšwe ke bokae

37c

Mošongwana wa go oketša tšebo 1.17

Swaya (✓) ge paterone e nepagetše.

Thala sekero (✗) ge e fošagetše.

Ge oketša 40 gabedi ke 80	
Seripagare ya 120 ke 70	
Ge oketša 90 gabedi ke 180	
Seripagare sa 200 ke 100	
Seripagare sa 160 ke 60	
Ge oketša 70 gabedi ka 140	
Ge oketša 60 gabedi ke 120	
Seripagare sa 140 ke 80	

Mošongwana wa go oketša tšebo 1.18

Lebelela paterone tše.

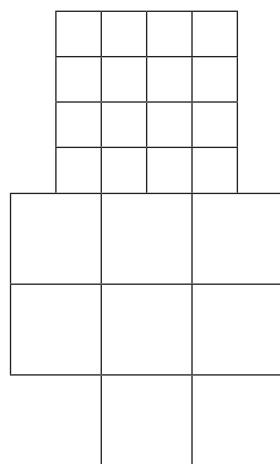
Swaya (✓) ge paterone e nepagetše.

Thala sekero (✗) ge e fošagetše.

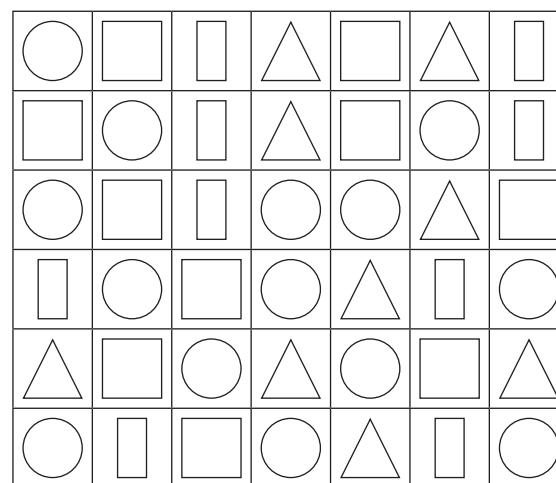
13*15*17*19*21*23*25*27	
82*84*86*90*92*94*96	
110*120*130*130*140*160*170	
85*90*95*100*125*130*135	
11*12*13*17*18*19*20*21	

Mošongwana wa go oketša tšebo 1.19

O kgona go bala dikwere tše kae?

**Mošongwana wa go oketša tšebo 1.20**

Nyaka dibopego.



Ke tše kae?

Dikhullotharo? _____ Khutlonnethwii? _____

Didiko? _____ Dikwere? _____

Karabo ya koketšo tšebo 1.17

Swaya (✓) ge paterone e nepagetše.

Thala sekero (✗) ge e fošagetše.

Ge oketša 40 gabedi ke 80	✓
Seripagare ya 120 ke 70	✗
Ge oketša 90 gabedi ke 180	✓
Seripagare sa 200 ke 100	✓
Seripagare sa 160 ke 60	✗
Ge oketša 70 gabedi ka 140	✓
Ge oketša 60 gabedi ke 120	✓
Seripagare sa 140 ke 80	✗

Karabo ya koketšo tšebo 1.18

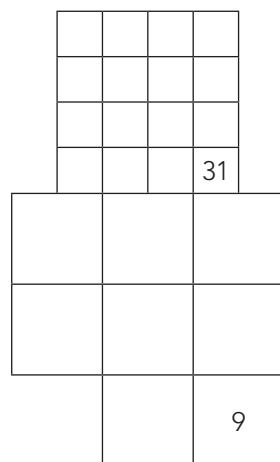
Swaya (✓) ge paterone e nepagetše.

Thala sekero (✗) ge e fošagetše.

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

Karabo ya koketšo tšebo 1.19

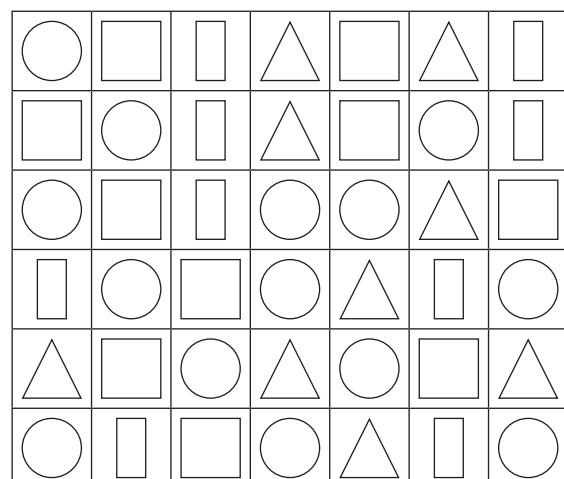
O kgona go bala dikwere tše kae?



dikwere di le 38

Karabo ya koketšo tšebo 1.20

Nyaka dibopego.



Ke tše kae?

Dikhutloharo? 9 Khutlonnethwii? 9

Didiko? 14 Dikwere? 10

Mošongwana wa go oketša tšebo 1.21

Feleletša tše di latelago:

Nomoro e kgolonyana ka 10 mo go 18 ke _____

Nomoro e kgolonyana ka 7 mo go 20 ke _____

Nomoro e kgolonyana ka 12 mo go 19 ke _____

Nomoro e kgolonyana ka 23 mo go 16 ke _____

Nomoro e kgolonyana ka 31 mo go 17 ke _____

Nomoro e kgolonyana ka 18 mo go 15 ke _____

Nomoro e kgolonyana ka 15 mo go 18 ke _____

Nomoro e nnyane ka 12 mo go 20 ke _____

Nomoro e kgolonyana ka 41 mo go 13 ke _____

Mošongwana wa go oketša tšebo 1.22

Feleletša tše di latelago:

Oketša 4 gabedi hlakantšha le 30 ke _____

Oketša 6 gabedi hlakantšha le 21 ke _____

Oketša 5 gabedi hlakantšha le 15 ke _____

Oketša 7 gabedi hlakantšha le 33 ke _____

Oketša 9 gabedi hlakantšha le 21 ke _____

Mošongwana wa go oketša tšebo 1.23

Feleletša paterone:

59	64	69						
----	----	----	--	--	--	--	--	--

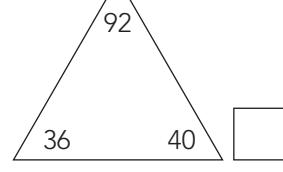
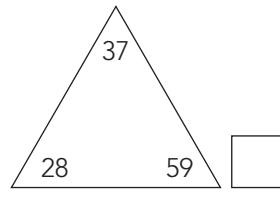
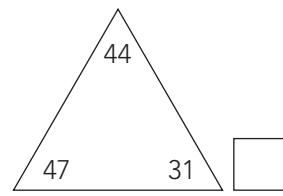
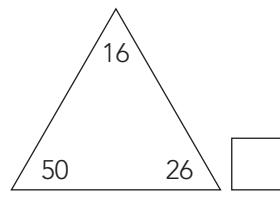
74	77	80						
----	----	----	--	--	--	--	--	--

69	65	61						
----	----	----	--	--	--	--	--	--

200	190							
-----	-----	--	--	--	--	--	--	--

Mošongwana wa go oketša tšebo 1.24

Palomoka ya khutloharo engwe le engwe ke eng? Ngwala karabo ka gare ga sekwere.



Karabo ya koketšo tšebo 1.21

Feleletša tše di latelago:

Nomoro e kgolonyana ka 10 mo go 18 ke 28
Nomoro e kgolonyana ka 7 mo go 20 ke 13
Nomoro e kgolonyana ka 12 mo go 19 ke 7
Nomoro e kgolonyana ka 23 mo go 16 ke 40
Nomoro e kgolonyana ka 31 mo go 17 ke 48
Nomoro e kgolonyana ka 18 mo go 15 ke 33
Nomoro e kgolonyana ka 15 mo go 18 ke 33
Nomoro e nnyane ka 12 mo go 20 ke 8
Nomoro e kgolonyana ka 41 mo go 13 ke 54

Karabo ya koketšo tšebo 1.22

Feleletša tše di latelago:

Oketša 4 gabedi hlakantšha le 30 ke 38
Oketša 6 gabedi hlakantšha le 21 ke 33
Oketša 5 gabedi hlakantšha le 15 ke 25
Oketša 7 gabedi hlakantšha le 33 ke 47
Oketša 9 gabedi hlakantšha le 21 ke 39

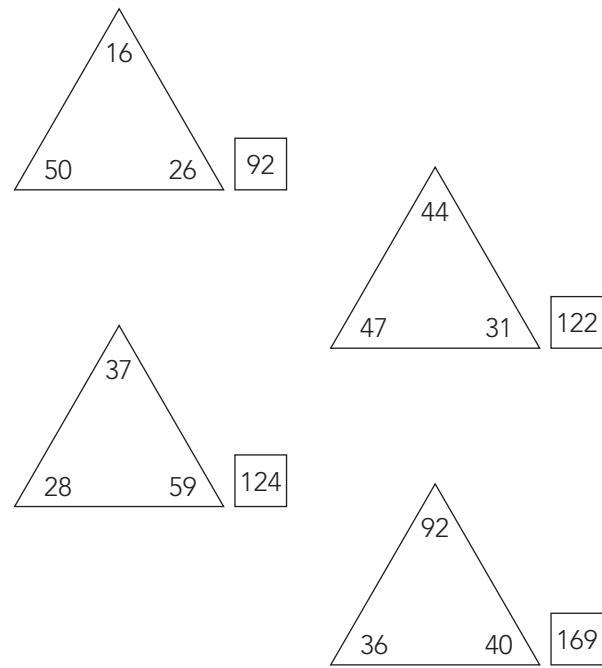
Karabo ya koketšo tšebo 1.23

Feleletša paterone.

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

Karabo ya koketšo tšebo 1.24

Palomoka ya khutloharo engwe le engwe ke eng? Ngwala karabo ka gare ga sekwere.



Mošongwana wa go oketša tšebo 1.25

Ngwala karabo o šomiša dipalo.

Masometshela tee hlakantšha le lesometharo ke _____

Masomenne tee hlakantšha le masomepedi seswai ke _____

Masometharotharo hlakantšha le lesometharo _____

Masometharo Hlakantšha le lesomehlano ke _____

Lekgolo ntšha lesomehlano ke _____

Masomepedi senyane hlakantšha le masomennetee ke _____

Mošongwana wa go oketša tšebo 1.26

Ke eng?

Ke lefe letšatši leo le tlago pele ga Mošupologo. _____

Ke lefe letšatši le le tlago magareng ga Labohlano le Sontaga. _____

Ke lefe letšatši la mathomo la mafelelo a beke. _____

Ke lefe letšatši la mathomo la beke. _____

Ke lefe letšatši la go tla pele ga la Laboraro. _____

Mošongwana wa go oketša tšebo 1.27

Dipolelopalo.

Šomiša dipalo tse ka gare ga mapokisi go dira dipalo.

32
48

_____ + _____ = _____

18
37

_____ + _____ = _____

6
51

62
5

Mošongwana wa go oketša tšebo 1.28

Ke mang?

Ke kgwedi pele ga Mopitlo. _____

Ke kgwedi ye etlago morago ga Mosegamanye. _____

Ke kgwedi ye e lego magareng ga Diphalane le Manthole. _____

Ke kgwedi ya ntlha ya Dikgakologo. _____

Ke kgwedi ya mafelelo ya ngwaga. _____

Ke kgwedi ya lesome ya ngwaga. _____

Karabo ya koketšo tšebo 1.25

Ngwala karabo o šomiša dipalo.

Masometshela tee hlakantšha le lesometharo ke 74.

Masomenne tee hlakantšha le masomepedi seswai ke 69.

Masometharotharo hlakantšha le lesometharo 46.

Masometharo Hlakantšha le lesomehlano ke 45.

Lekgolo ntšha lesomehlano ke 85.

Masomepedi senyane hlakantšha le masomennetee ke 70.

Karabo ya koketšo tšebo 1.26

Ke eng?

Ndilusuku olungaphambi koMvulo.

NgeCawa

Ndilusuku oluphakathi kolwesihlanu neCawa.

NgoMgqibelo

Ndilusuku lokuqala kwimpelaveki.

NgoMgqibelo

Ndilusuku lokuqala evekini.

UMvulo

Ndilusuku olungaphambi koLwesithathu.

ULwesibini

Karabo ya koketšo tšebo 1.27

Dipolelopalo.

Šomiša dipalo tse ka gare ga mapokisi go dira dipalo.

32
48

$16 + 32 = 48$

18
37

$18 + 19 = 37$

6	62
51	5

$51 + 6 + 5 = 62$

Karabo ya koketšo tšebo 1.28

Ke mang?

Ke kgwedi pele ga Mopitlo.

Moranang

Ke kgwedi ye etlagó morago ga Mosegamanye.

Mopitlo

Ke kgwedi ye e lego magareng ga Diphalane le Manthole.

Dibatsele

Ke kgwedi ya ntlha ya Dikgakologo.

Lewedí

Ke kgwedi ya mafelelo ya ngwaga.

Manthole

Mošongwana wa go oketša tšebo 1.29

Khalara dinomoro tše di hlakanago go bopa karabo ye e filwego.

$$\begin{array}{ccccccccc} 46 & 60 & 31 & + & 1 & 0 & 32 & = & 63 \end{array}$$

$$\begin{array}{ccccccccc} 8 & 15 & 23 & + & 82 & 77 & 29 & = & 90 \end{array}$$

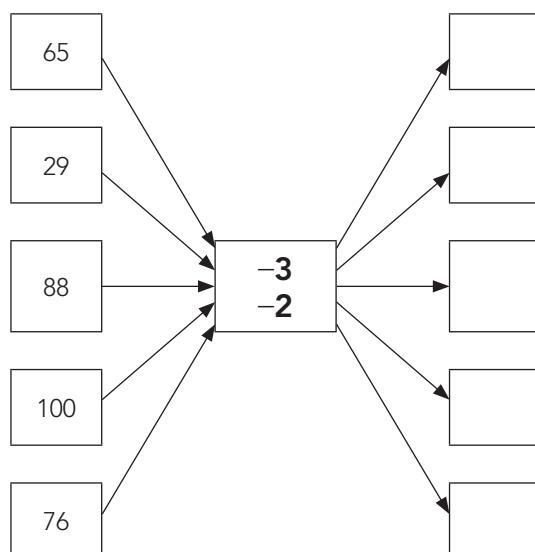
$$\begin{array}{ccccccccc} 4 & 48 & 22 & + & 43 & 11 & 12 & = & 59 \end{array}$$

$$\begin{array}{ccccccccc} 31 & 26 & 29 & + & 16 & 8 & 92 & = & 47 \end{array}$$

$$\begin{array}{ccccccccc} 40 & 60 & 20 & + & 44 & 11 & 51 & = & 71 \end{array}$$

Mošongwana wa go oketša tšebo 1.30

Feleletša tše di latelago:



Mošongwana wa go oketša tšebo 1.31

Khalara didiko:



Khalara sediko sa mathomo ka bokhwibidu.

Khalara sediko sa mafelelo ka mmala wa talalerata.

Khalara sediko sa bo lesomeseswai ka talamorogo.

Khalara sediko sa bosenyane ka boserolwana.

Khalara sediko lesometshela ka mmala o mopinki.

Khalara sediko sa boraro ka bontsho.

Khalara sediko sa lesomhlano ka mmala wa namune.

Khalara sediko ya lesometee ka phepolo.

Mošongwana wa go oketša tšebo 1.32

Naa o kcona go rarabolla mathata a?

1. Mma o nale le R58. O tla ka khekhe ya R45 le malekere a R12. O šetše ka bokae?
2. Thandi o nale le 520c. O šomiša 405c go reka malekere le 80c go reka mageu. O šaletšwe ke bokae?

Karabo ya koketšo tšebo 1.29

Khalara dinomoro tše di hlakanago go bopa karabo ye e filwego.

$$\begin{array}{ccccccccc} 46 & 60 & 31 & + & 1 & 0 & 32 & = & 63 \end{array}$$

$$\begin{array}{ccccccccc} 8 & 15 & 23 & + & 82 & 77 & 29 & = & 90 \end{array}$$

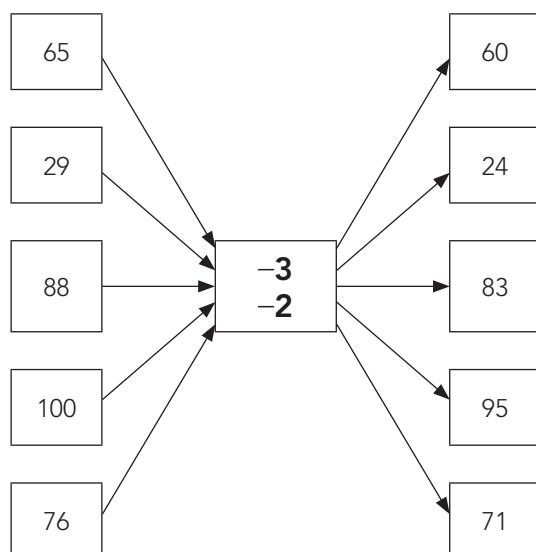
$$\begin{array}{ccccccccc} 4 & 48 & 22 & + & 43 & 11 & 12 & = & 59 \end{array}$$

$$\begin{array}{ccccccccc} 31 & 26 & 29 & + & 16 & 8 & 92 & = & 47 \end{array}$$

$$\begin{array}{ccccccccc} 40 & 60 & 20 & + & 44 & 11 & 51 & = & 71 \end{array}$$

Karabo ya koketšo tšebo 1.30

Feleletša tše di latelago:



Karabo ya koketšo tšebo 1.31

Khalara didiko:

R ○ BI ○ ○ ○ ○ ○ ○

Br ○ ○ ○ O P ○ G Y B

Khalara sediko sa mathomo ka bokhwibidu.

Khalara sediko sa mafelelo ka mmala wa talalerata.

Khalara sediko sa bo lesomeseswai ka talamorogo.

Khalara sediko sa bosenyane ka boserolwana.

Khalara sediko lesometshela ka mmala o mopinki.

Khalara sediko sa boraro ka bontsho.

Khalara sediko sa lesomhlano ka mmala wa namune.

Khalara sediko ya lesometee ka phepolo.

Karabo ya koketšo tšebo 1.32

Naa o kgona go rarabolla mathata a?

1. Mma o nale le R58. O tla ka khekhe ya R45 le malekere a R12. O šetše ka bokae?

R2

2. Thandi o nale le 520c. O šomiša 405c go reka malekere le 80c go reka mageu. O šaletšwe ke bokae

37c

4. Enrichment Activity Cards: Xitsonga version

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

Use of the enrichment activity cards

Optional as required.

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

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

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

Mfumiso wa Nghingiriko 1.1

Hetisa swikwere swa masalamusi. Minxaxa hinkwayo yi hlangana ku endla nomboro leyi nga kombisiwa ehenhla ka xikwere.

	16	
	2	
3	5	
		4

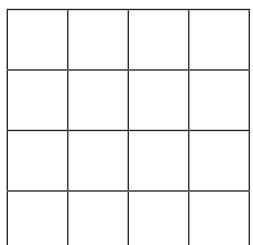
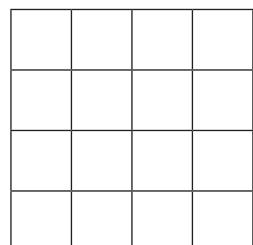
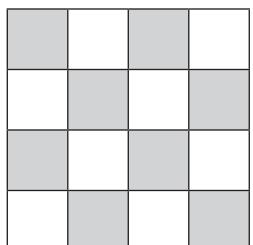
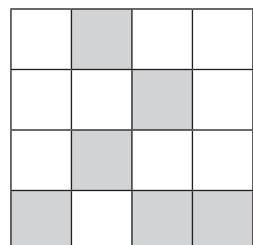
	20	0
	4	
	5	

	25	
	9	6
	4	
2		11

	29	13
12	5	
	13	

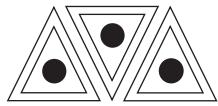
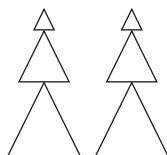
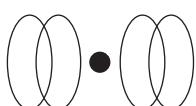
Mfumiso wa Nghingiriko 1.2

Khalara swikwere leswi nga laha hansi ku fananisa leswi nga henhla.



Mfumiso wa Nghingiriko 1.3

Hetisa tipatironi:



Mfumiso wa Nghingiriko 1.4

Hetisa tipatironi:

4	3	4					
---	---	---	--	--	--	--	--

9	1	2	9				
---	---	---	---	--	--	--	--

6	9	9	3	6			
---	---	---	---	---	--	--	--

2	4	3	2	4			
---	---	---	---	---	--	--	--

Mfumiso wa Nghingiriko 1.1: Tinhlamulo

Hetisa swikwere swa masalamusi. Minxaxa hinkwayo yi hlangana ku endla nomboro leyi nga kombisiwa ehenhla ka xikwere.

	16	
10	2	4
3	5	8
3	9	4

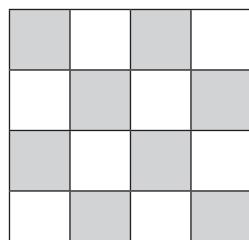
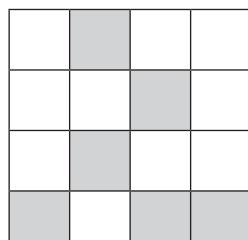
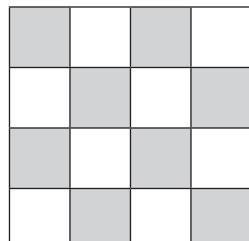
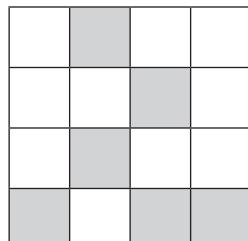
	20	
10	10	0
2	4	14
8	6	6

	25	
10	9	6
13	4	8
2	12	11

	29	
5	11	13
12	5	12
12	13	4

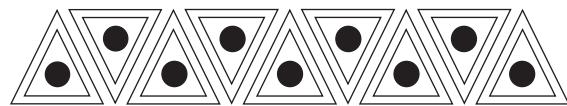
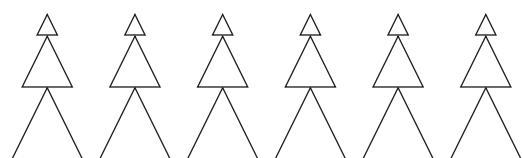
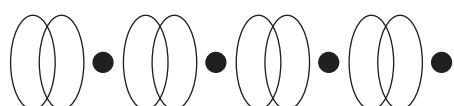
Mfumiso wa Nghingiriko 1.2: Tinhlamulo

Khalara swikwere leswi nga laha hansi ku fananisa leswi nga henhla.



Mfumiso wa Nghingiriko 1.3: Tinhlamulo

Hetisa tipatironi:



Mfumiso wa Nghingiriko 1.4: Tinhlamulo

Hetisa tipatironi:

4	3	4	3	4	3	4	3
---	---	---	---	---	---	---	---

9	1	2	9	1	2	9	1
---	---	---	---	---	---	---	---

6	9	9	3	6	9	9	3
---	---	---	---	---	---	---	---

2	4	3	2	4	3	2	4
---	---	---	---	---	---	---	---

Mfumiso wa Nghingiriko 1.5

Mpima hi rhula:

Xana ritiho ra sasa kambana ri lehile ku fi ka kwini? _____ cm

Xana ritiho ra kombu valoyi ri fi ka kwihi?
_____ cm

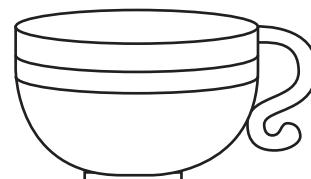
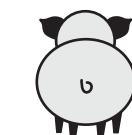
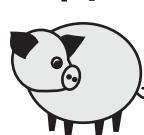
Mpima pensele ya wena? _____ cm

A ntila lowu nga koma 5cm ku ri na ritiho ra kombu valoyi i? _____ cm

Ntila wa 5 cm hi ku leha ku tlula sasa kambana i
? _____ cm

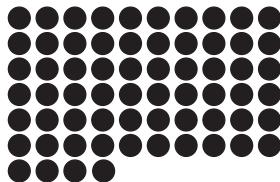
Mfumiso wa Nghingiriko 1.6

Tsondzela swifaniso leswi u vonaka wasi ehenhla,
na swo tshwuka mahlweni.

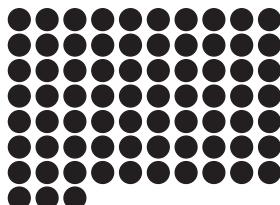


Mošongwana wa go oketša tšebo 1.7

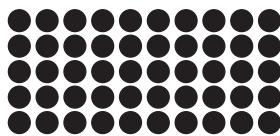
Tsala vukhume na vun'we lebyi nga ka ntlawa.



Vukhume ____ Vun'we ____



Vukhume ____ Vun'we ____



Vukhume ____ Vun'we ____

Mošongwana wa go oketša tšebo 1.8

Xana ku na tinhonga tingani?



Dirowa 48 wa tinhonga hi ndlela ley:

Mošongwana wa go oketša tšebo 1.5: Tinhlamulo

Mpima hi rhula:

Tinhlamulo ti hambanahambana.

Xana ritiho ra sasa kambana ri lehile ku fi ka kwini? _____ cm

Xana ritiho ra kombu valoyi ri fi ka kwihi?
_____ cm

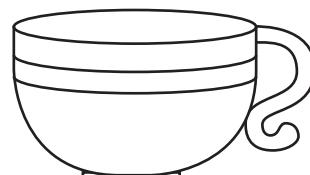
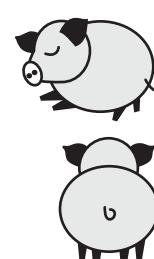
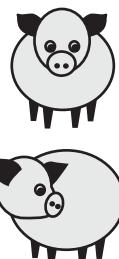
Mpima pensele ya wena? _____ cm

A ntila lowu nga koma 5cm ku ri na ritiho ra kombu valoyi i? _____ cm

Ntila wa 5 cm hi ku leha ku tlula sasa kambana i
? _____ cm

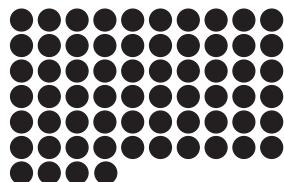
Mošongwana wa go oketša tšebo 1.6: Tinhlamulo

Tsondzela swifaniso leswi u vonaka wasi ehenhla,
na swo tshwuka mahlweni.

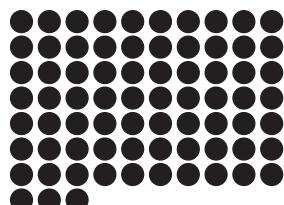


Mošongwana wa go oketša tšebo 1.7: Tinhlamulo

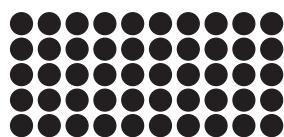
Tsala vukhume na vun'we lebyi nga ka ntlawa.



Vukhume 6 Vun'we 4



Vukhume 7 Vun'we 3



Vukhume 5 Vun'we 0

Mošongwana wa go oketša tšebo 1.8: Tinhlamulo

Xana ku na tinhonga tingani?

||||| ||||| ||||| ||||| |

21

||||| ||||| ||||| ||||| |||||
||| ||

32

Dirowa 48 wa tinhonga hi ndlela leyi:

Mošongwana wa go oketša tšebo 1.9

Fananisa nomboro na vito ra nomboro.

21
43
45
29
58
51
54
67
76

Makumemune nharhu
Makumembirhi nkaye
Makumenkombo tsevu
Makumenkombo tsevu
Makumembirhi n'we
Makumemune ntlhanu
Makumentlhanu mune
Makumentlhanu mune
Makumentlhanu nhungu

Mošongwana wa go oketša tšebo 1.10

Khalara tinomboro timbirhi ka nxaxa yin'wana na yin'wana ku hlanganisa 50.

19	9	3	31	7
----	---	---	----	---

12	48	41	10	9
----	----	----	----	---

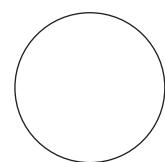
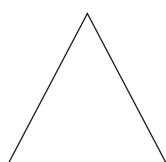
31	12	38	24	30
----	----	----	----	----

5	9	35	45	10
---	---	----	----	----

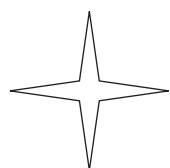
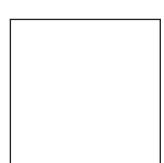
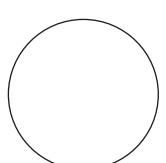
Mošongwana wa go oketša tšebo 1.11

Avanyisa swivumbeko hi:

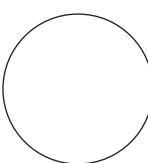
Hafu



Kotara

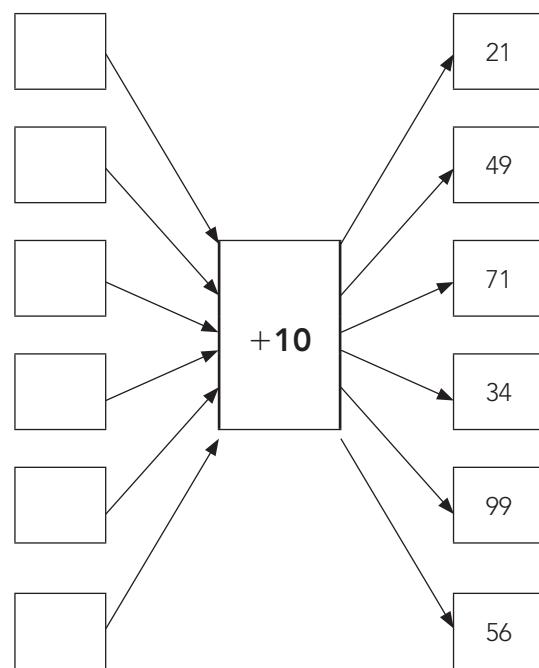


Xa-nharhu



Mošongwana wa go oketša tšebo 1.12

Hetisa leswi landzelaka:



Mfumiso wa Nghingiriko 1.9: Tinhlamulo

Fananisa nomboro na vito ra nomboro.

21	Makumemune nharhu
43	Makumembirhi nkaye
45	Makumenkombo tsevu
29	Makumenkombo tsevu
58	Makumembirhi n'we
51	Makumemune ntlanu
54	Makumentlanu mune
67	Makumentlanu mune
76	Makumentlanu nhungu

Mfumiso wa Nghingiriko 1.10: Tinhlamulo

Khalara tinomboro timbirhi ka nxaxa yin'wana na yin'wana ku hlanganisa 50.

19	9	3	31	7
----	---	---	----	---

12	48	41	10	9
----	----	----	----	---

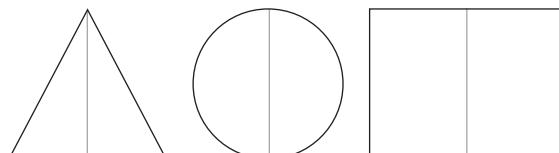
31	12	38	24	30
----	----	----	----	----

5	9	35	45	10
---	---	----	----	----

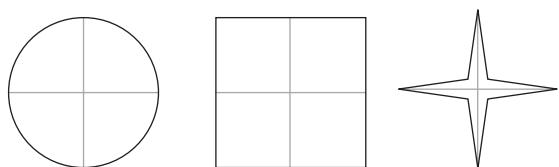
Mfumiso wa Nghingiriko 1.11: Tinhlamulo

Avanyisa swivumbeko hi:

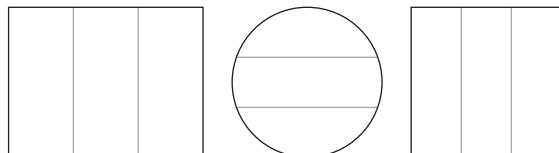
Hafu



Kotara

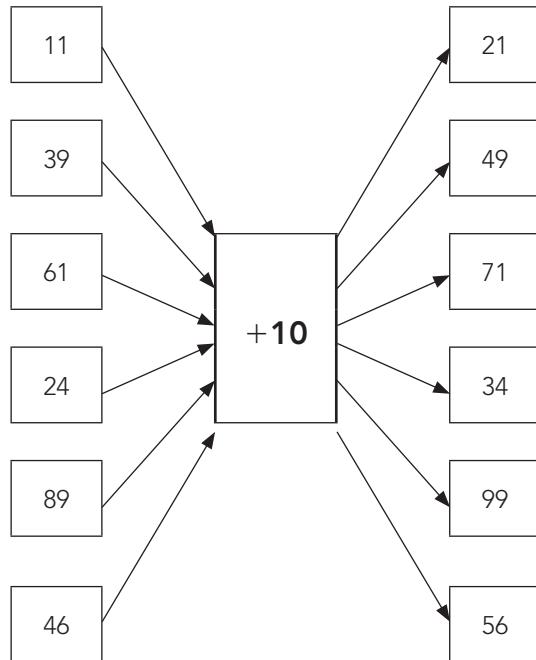


Xa-nharhu



Mfumiso wa Nghingiriko 1.12: Tinhlamulo

Hetisa leswi landzelaka:



Mfumiso wa Nghingiriko 1.13

Khalara nomboro leyi endlaka nomboro leyi u nga nyikiwa yona..

$$\begin{array}{ccccccccc} 9 & 21 & 13 & + & 17 & 11 & 19 & = & 40 \end{array}$$

$$\begin{array}{ccccccccc} 41 & 12 & 29 & + & 19 & 11 & 38 & = & 50 \end{array}$$

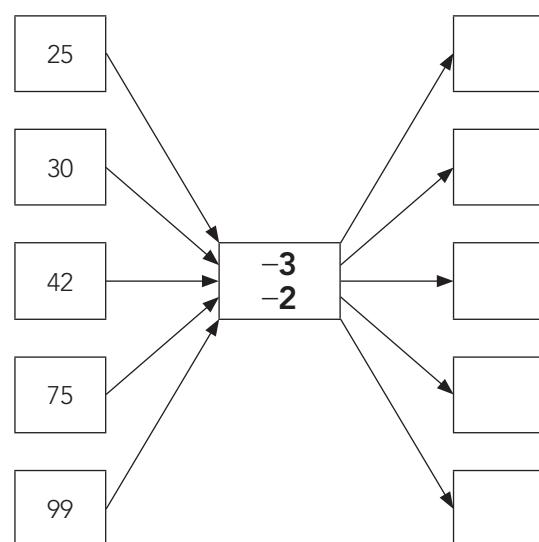
$$\begin{array}{ccccccccc} 14 & 9 & 8 & + & 15 & 21 & 22 & = & 30 \end{array}$$

$$\begin{array}{ccccccccc} 13 & 6 & 2 & + & 7 & 9 & 12 & = & 20 \end{array}$$

$$\begin{array}{ccccccccc} 10 & 21 & 37 & + & 23 & 40 & 33 & = & 60 \end{array}$$

Mfumiso wa Nghingiriko 1.14

Hetisa leswi landzelaka:



Mfumiso wa Nghingiriko 1.15

Khalara xirhendzevutana:



Khalara xirhendzevutana xo sungula hi muhlovo wo tshwuka.

Khalara xo hetelela hi muhlovo wa wasi.

Khalara xirhendzevutana xa vunhungu hi muhlovo wa rihlaza.

Khalara xirhendzevutana xa kaye hi muhlovo wa xitshopana

Khalara xirhendzevutana xa vutsevu hi muhlovo wa pinki.

Khalara xirhendzevutana xa vunharhu hi muhlovo wa ntima.

Khalara xirhendzevutana xa vumbirhi himuhlovo wa xilamula.

Mfumiso wa Nghingiriko 1.16

U nga ololoxa swiphiqo leswi?

1. Manana u na R48. U xavile makhekhe ya R45 na malekere ya R1. Xana ku sala mali muni?
2. Thandi u na 80c. U tirhisa 25c ka malekere na 18 ka murhu. Xana u sala na mali muni?

Mfumiso wa Nghingiriko 1.13

Khalara nomboro leyi endlaka nomboro leyi u nga nyikiwa yona..

$$9 \quad 21 \quad 13 \quad + \quad 17 \quad 11 \quad 19 \quad = \quad 40$$

$$41 \quad 12 \quad 29 \quad + \quad 19 \quad 11 \quad 38 \quad = \quad 50$$

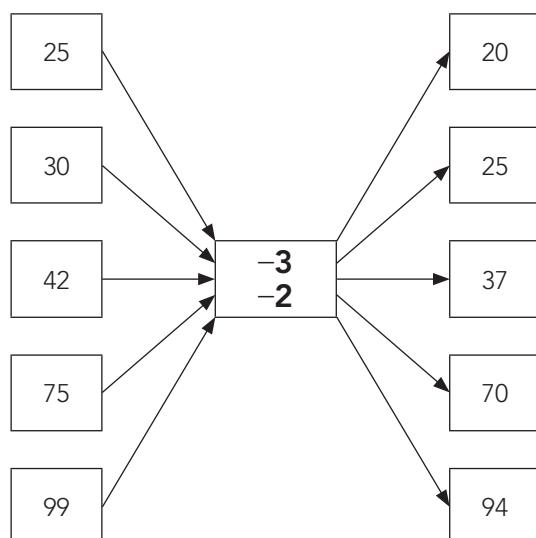
$$14 \quad 9 \quad 8 \quad + \quad 15 \quad 21 \quad 22 \quad = \quad 30$$

$$13 \quad 6 \quad 2 \quad + \quad 7 \quad 9 \quad 12 \quad = \quad 20$$

$$10 \quad 21 \quad 37 \quad + \quad 23 \quad 40 \quad 33 \quad = \quad 60$$

Mfumiso wa Nghingiriko 1.14

Feleletša tše di latelago:



Mfumiso wa Nghingiriko 1.15

Khalara didiko:



Khalara sediko sa mathomo ka bokhwibidu.

Khalara sediko sa mafelelo ka mmala wa talalerata.

Khalara sediko sa bosewai ka talamorogo.

Khalara sediko sa bosenyane ka serolwana

Khalara sediko sa botshela ka bopinki.

Khalara sediko sa boraro ka bontsho.

Khalara sediko sa bone ka mmala wa namune.

Mfumiso wa Nghingiriko 1.16

U nga ololoxa swiphiqo leswi?

1. Manana u na R48. U xavile makhekhe ya R45 na malekere ya R1. Xana ku sala mali muni?

R2

2. Thandi u na 80c. U tirhisa 25c ka malekere na 18 ka murhu. Xana u sala na mali muni?

37c

Mfumiso wa Nghingiriko 1.17

Vekela gwaju loko nhlamulo yiri yona (✓).

Vekela xihambano loko nhlamulo yi hoxekile (✗).

40 kambirhi i 80	
Hafu ya 120 i 70	
90 kambirhi i 180	
hafu ya 200 i 100	
hafu ya 160 i 60	
70 kambirhi i 140	
60 kambirhi i 120	
Hafu ya 140 i 80	

Mfumiso wa Nghingiriko 1.18

Languta tipatironi.

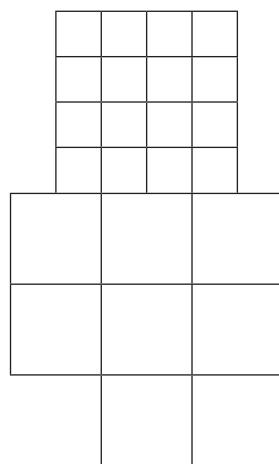
Vekela gwaju loko nhlamulo yiri yona (✓).

Vekela xihambano loko nhlamulo yi hoxekile (✗).

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

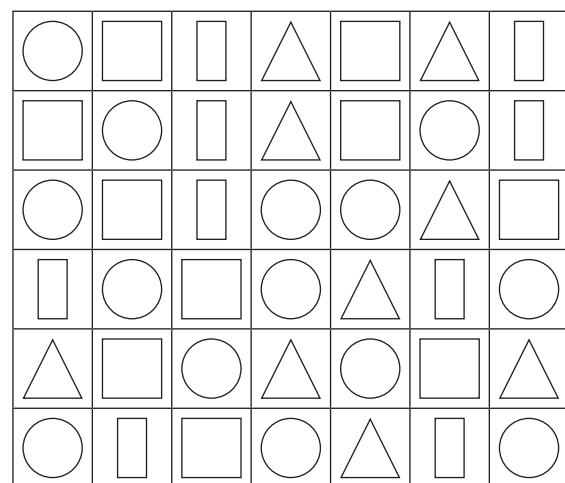
Mfumiso wa Nghingiriko 1.19

O kgona go bala dikwere tše kae?



Mfumiso wa Nghingiriko 1.20

Nyaka dibopego.



I swingani?

yinhlanharhu? _____ rekthengula? _____

xirhendzevutana? _____ swikwere? _____

Mfumiso wa Nghingiriko 1.17: Tinhlamulo

Vekela gwaju loko nhlamulo yiri yona (✓).

Vekela xihambano loko nhlamulo yi hoxekile (✗).

40 kambirhi i 80	✓
Hafu ya 120 i 70	✗
90 kambirhi i 180	✓
hafu ya 200 i 100	✓
hafu ya 160 i 60	✗
70 kambirhi i 140	✓
60 kambirhi i 120	✓
Hafu ya 140 i 80	✗

Mfumiso wa Nghingiriko 1.18: Tinhlamulo

Languta tipatironi.

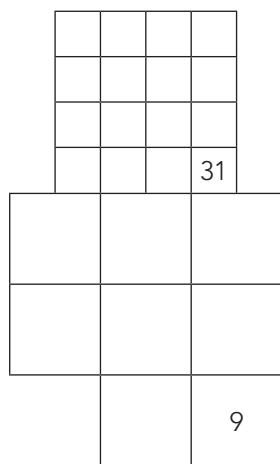
Vekela gwaju loko nhlamulo yiri yona (✓).

Vekela xihambano loko nhlamulo yi hoxekile (✗).

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

Mfumiso wa Nghingiriko 1.19: Tinhlamulo

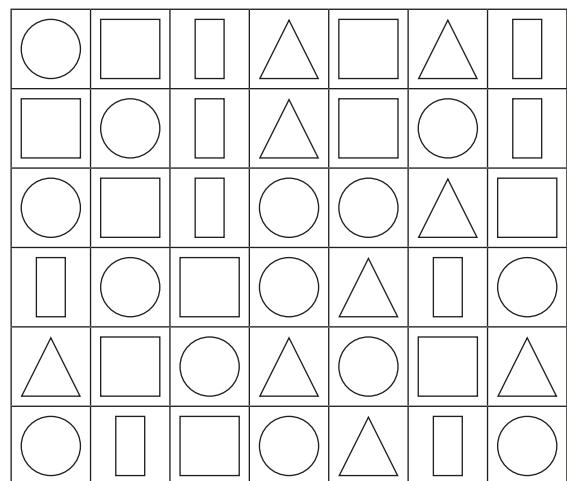
O kgona go bala dikwere tše kae?



swikwere swa 38

Mfumiso wa Nghingiriko 1.20: Tinhlamulo

Nyaka dibopego.



I swingani?

yinhanharhu? 9

xirhendzevutana? 14

rekthengula? 9

swikwere? 10

Mfumiso wa Nghingiriko 1.21

Hetisa leswi landzelaka:

Ku tlula 10 hi 18 i _____

Ehansi ka 20 hi 7 i _____

Ehansi ka 19 hi 12 i _____

Ku tlula 16 hi 24 i _____

Ku tlula 17 hi 31 i _____

Ku tlula 15 hi 18 _____

Ku tlula 18 hi 15 i _____

Ehansi ka 20 hi 12 i _____

Ku tlula 13 hi 41 i _____

Mfumiso wa Nghingiriko 1.22

Hetisa leswi landzelaka:

4 Kambirhi hlanganisa 30 i _____

6 Kambirhi hi hlanganisa 21 i _____

5 Kambirhi hi hlanganisa 15 i _____

7 Kambirhi hi hlanganisa 33 i _____

9 Kambirhi hi hlanganisa 21 i _____

Mfumiso wa Nghingiriko 1.23

Hetisa tipatironi:

59	64	69						
----	----	----	--	--	--	--	--	--

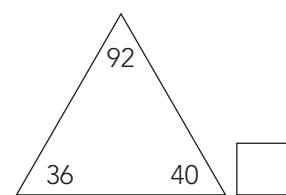
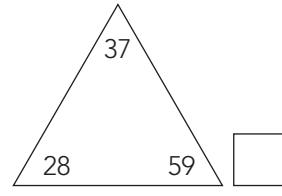
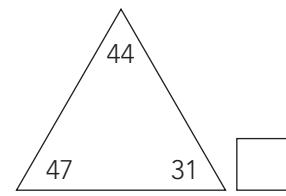
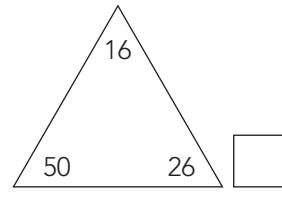
74	77	80						
----	----	----	--	--	--	--	--	--

69	65	61						
----	----	----	--	--	--	--	--	--

200	190							
-----	-----	--	--	--	--	--	--	--

Mfumiso wa Nghingiriko 1.24

I yini nkoka wa yinhlanharhu yin'wana na yin'wana? Tsala nhlamulo ka yinhlanharhu.



Mfumiso wa Nghingiriko 1.21: Tinhlamulo

Hetisa leswi landzelaka:

Ku tlula 10 hi 18 i 28

Ehansi ka 20 hi 7 i 13

Ehansi ka 19 hi 12 i 7

Ku tlula 16 hi 24 i 40

Ku tlula 17 hi 31 i 48

Ku tlula 15 hi 18 33

Ku tlula 18 hi 15 i 33

Ehansi ka 20 hi 12 i 8

Ku tlula 13 hi 41 i 54

Mfumiso wa Nghingiriko 1.22: Tinhlamulo

Hetisa leswi landzelaka:

4 Kambirhi hlanganisa 30 i 38

6 Kambirhi hi hlanganisa 21 i 33

5 Kambirhi hi hlanganisa 15 i 25

7 Kambirhi hi hlanganisa 33 i 47

9 Kambirhi hi hlanganisa 21 i 39

Mfumiso wa Nghingiriko 1.23: Tinhlamulo

Hetisa tipatironi.

59	64	69	74	79	84	89	94	99
----	----	----	----	----	----	----	----	----

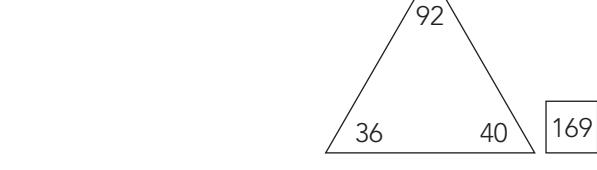
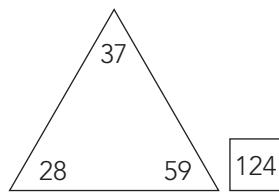
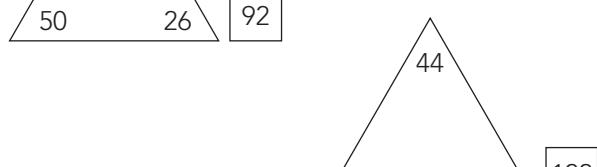
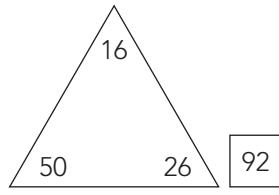
74	77	80	83	86	89	92	95	98
----	----	----	----	----	----	----	----	----

69	65	61	57	53	49	45	41	37
----	----	----	----	----	----	----	----	----

200	190	180	170	160	150	140	130	120
-----	-----	-----	-----	-----	-----	-----	-----	-----

Mfumiso wa Nghingiriko 1.24: Tinhlamulo

I yini nkoka wa yinhanharhu yin'wana na yin'wana? Tsala nhlamulo ka yinhanharhu.



Mfumiso wa Nghingiriko 1.25

Tsala nhlamulo hi tinomboro.

Makume tsevu hlanganisa khumenharhu ringana

Makumenhungu hlanganisa makume n'we
ringana _____

Makumenharhu hlanganisa khumenharhu ringana

Makume tsevu u susa khumentlhanu ringana _____

Dzana n'we u susa khumentlhanu ringana _____

Makumembirhi nkaye hlanganisa makumen'we
ringana _____

Mfumiso wa Nghingiriko 1.26

Hi mina mani?

Ndzi siku emahlweni ka Musumbhunuku. _____

Ndzi siku exikarhi ka Ravuntlhanu na Sonto. _____

Ndzi siku ro sungula ra ku hela ka vhiki. _____

Ndzi siku ro hetelela ra vhiki. _____

Ndzi siku emahlweni ka Ravunharhu. _____

Mfumiso wa Nghingiriko 1.27

Xivulwa xa nomboro.

Tirhisa tinomboro endzeni ka mabokisi ku endla
nhlayo.

32

48

16

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

18

37

19

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

6

62

51

5

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

Mfumiso wa Nghingiriko 1.28

Hi mina mani?

Ndzi n'hweti emahlweni ka Mudyaxihi. _____

Ndzi n'hweti endzhaku ka Khotavuxika. _____

Ndzi n'hweti exikarhi ka Nhlangula na

N'wndzamhala. _____

Ndzi n'hweti yo hetelela ya ximun'wana. _____

Ndzi n'hweti yo hetelela ya lembe. _____

Ndzi n'hweti ya vukhume. _____

Mfumiso wa Nghingiriko 1.25: Tinhlamulo

Tsala nhlamulo hi tinomboro.

Makume tsevu hlanganisa khumenharhu ringana

74

Makumenhungu hlanganisa makume n'we
ringana 69

Makumenharhu hlanganisa khumenharhu ringana
46

Makume tsevu u susa khumentlhanu ringana 45

Dzana n'we u susa khumentlhanu ringana 85

Makumembirhi nkaye hlanganisa makumen'we
ringana 70.

Mfumiso wa Nghingiriko 1.26: Tinhlamulo

Hi mina mani?

Ndzi siku emahlweni ka Musumbhunuku.

Sonto

Ndzi siku exikarhi ka Ravuntlhanu na Sonto.

Muqqivela

Ndzi siku ro sungula ra ku hela ka vhiki.

Muqqivela

Ndzi siku ro hetelela ra vhiki.

Musumbhunuku

Ndzi siku emahlweni ka Ravunharhu.

Ravumbirhi

Mfumiso wa Nghingiriko 1.27: Tinhlamulo

Xivulwa xa nomboro.

Tirhisa tinomboro endzeni ka mabokisi ku endla
nhlayo.

$$\begin{array}{r} 32 \\ 48 \quad 16 \end{array}$$

$$16 + 32 = 48$$

$$\begin{array}{r} 18 \\ 37 \quad 19 \end{array}$$

$$18 + 19 = 37$$

$$\begin{array}{r} 6 \quad 62 \\ 51 \quad 5 \end{array}$$

$$51 + 6 + 5 = 62$$

Mfumiso wa Nghingiriko 1.28: Tinhlamulo

Hi mina mani?

Ndzi n'hweti emahlweni ka Mudyaxihi

Dzivamisoko

Ndzi n'hweti endzhaku ka Khotavuxika.

Mawuwani

Ndzi n'hweti exikarhi ka Nhlangula na
N'wndzamhala. Hukuri

Ndzi n'hweti yo hetelela ya ximun'wana. Ndzhati

Ndzi n'hweti yo hetelela ya lembe.
N'wendzamhala

Ndzi n'hweti ya vukhume. Nhlangula

Mfumiso wa Nghingiriko 1.29

Khalara nomboro leyi endlaka nomboro leyi u nga nyikiwa yona.

$$\begin{array}{ccccccccc} 46 & 60 & 31 & + & 1 & 0 & 32 & = & 63 \end{array}$$

$$\begin{array}{ccccccccc} 8 & 15 & 23 & + & 82 & 77 & 29 & = & 90 \end{array}$$

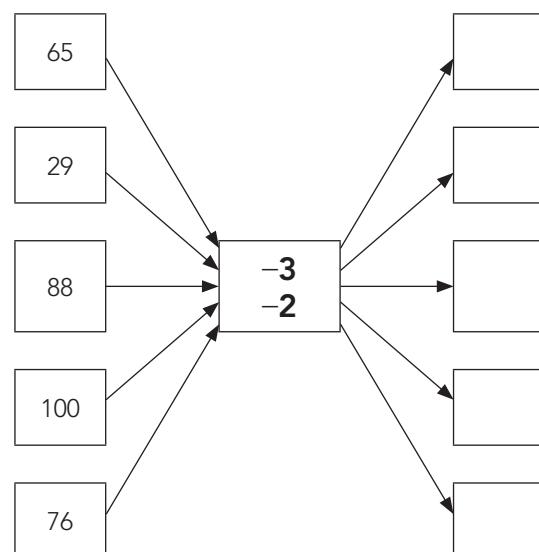
$$\begin{array}{ccccccccc} 4 & 48 & 22 & + & 43 & 11 & 12 & = & 59 \end{array}$$

$$\begin{array}{ccccccccc} 31 & 26 & 29 & + & 16 & 8 & 92 & = & 47 \end{array}$$

$$\begin{array}{ccccccccc} 40 & 60 & 20 & + & 44 & 11 & 51 & = & 71 \end{array}$$

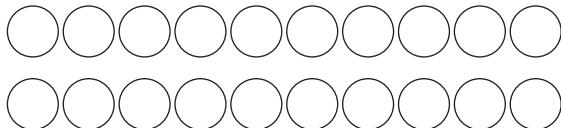
Mfumiso wa Nghingiriko 1.30

Hetisa leswi landzelaka:



Mfumiso wa Nghingiriko 1.31

Khalara didiko:



Khalara xirhendzevutana xo sungula hi muhlovo wo tshwuka.

Khalara xo hetelela hi muhlovo wa wasi.

Khalara xirhendzevutana xa vukhumenthunu hi muhlovo wa rihlaza.

Khalara xirhendzevutana xa khumenthunu hi muhlovo wa xitshopana.

Khalara xirhendzevutana xa vukhumetsevu hi muhlovo wa pinki.

Khalara xirhendzevutana xa vunharhu hi muhlovo wa ntima.

Khalara xirhendzevutana xa vukhumenthanu hi muhlovo wa xilamula.

Khalara xirhendzevutana xa vukhumen'we hi muhlovo wa ribungu.

Mfumiso wa Nghingiriko 1.32

U nga ololoxa swiphiqo leswi?

1. Manana u na R58. U xava khekhe ra R45 na malekere ya R12. Xana ku sala mali muni?
2. Thandi u na 520c. U tirhisa 405c u xava malekere na murhu. Xana u sala na mali muni?

Mfumiso wa Nghingiriko 1.29: Tinhlamulo

Khalara nomboro leyi endlaka nomboro leyi u nga nyikiwa yona.

$$\begin{array}{ccccccccc} 46 & 60 & 31 & + & 1 & 0 & 32 & = & 63 \end{array}$$

$$\begin{array}{ccccccccc} 8 & 15 & 23 & + & 82 & 77 & 29 & = & 90 \end{array}$$

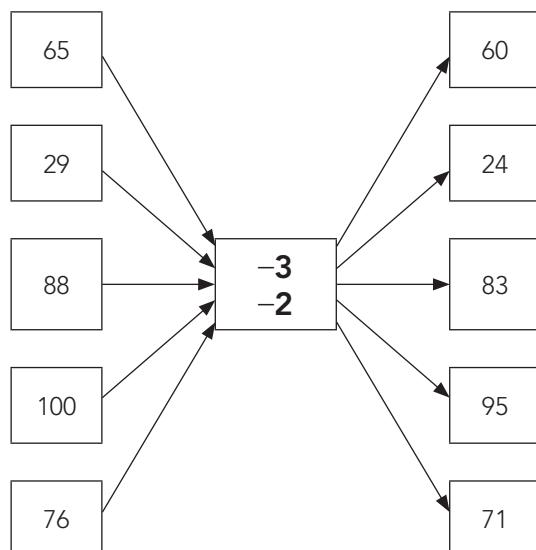
$$\begin{array}{ccccccccc} 4 & 48 & 22 & + & 43 & 11 & 12 & = & 59 \end{array}$$

$$\begin{array}{ccccccccc} 31 & 26 & 29 & + & 16 & 8 & 92 & = & 47 \end{array}$$

$$\begin{array}{ccccccccc} 40 & 60 & 20 & + & 44 & 11 & 51 & = & 71 \end{array}$$

Mfumiso wa Nghingiriko 1.30: Tinhlamulo

Hetisa leswi landzelaka:



Mfumiso wa Nghingiriko 1.31: Tinhlamulo

Khalara didiko:

R ○ BI ○ ○ ○ ○ ○ ○

Br ○ ○ ○ O P ○ G Y B

Khalara xirhendzevutana xo sungula hi muhlovo wo tshwuka.

Khalara xo hetelela hi muhlovo wa wasi.

Khalara xirhendzevutana xa vukhumenthungu hi muhlovo wa rihlaza.

Khalara xirhendzevutana xa khumenthungu hi muhlovo wa xitshopana.

Khalara xirhendzevutana xa vukhumetsevu hi muhlovo wa pinki.

Khalara xirhendzevutana xa vunharhu hi muhlovo wa ntima.

Khalara xirhendzevutana xa vukhumenthanu hi muhlovo wa xilamula.

Khalara xirhendzevutana xa vukhument'we hi muhlovo wa ribungu.

Mfumiso wa Nghingiriko 1.32 : Tinhlamulo

U nga ololoxa swiphiqo leswi?

1. Manana u na R58. U xava khekhe ra R45 na malekere ya R12. Xana ku sala mali muni?

R2

2. Thandi u na 520c. U tirhisa 405c u xava malekere na murhu. Xana u sala na mali muni

37c