Go ithuta Molaotheo wa Repabliki ya Afrika-Borwa (1996)

Molaotheo wa Afrika-Borwa o swere melao ya maemo a godimo a naga ya Afrika-Borwa. Melao ye e godimo ka maemo, go feta a mopresidente, a godimo ga dikgorotsheko tša godimo gape a ka godimo ga a mmušo.

Melao ye e lego Molaotheong wa naga, e hlaloša ka mokgwa wo batho ba swanetšego go swarana ka gona, gape le gore ba na le ditokelo dife le maikarabelo afe kgahlanong le batho ba bangwe. Molaotheo wa naga o swanetše go re šireletša ka moka gona bjale, o be o tle o šireletše bana ba rena ka moso.

Re se lebale mo re tšwago.	Re se ke ra bušeletša diphošo tša moo re tšwago.	Molaotheo wa rena o re thuša go akanya le go aga bokamoso bjo bokaone bja rena ka moka.

Rena, batho ba Afrika-Borwa;

Re elelwa ditlhokatoka tša rena tša maloba;

Re hlompha bao ba ilego ba hlokofaletšwa toka le tokologo nageng ya gaborena;

Re hlompha bao ba ilego ba katanela go aga le go hlabolla naga ya gaborena; ebile

Re dumela gore Afrika-Borwa ke ya batho bohle ba ba dulago go yona;
re le ngata e tee le ge re fapana ka ditšo.

Ka fao, ka baemedi ba rena bao ba kgethilwego ntle le kgapeletšo,
re amogela molaotheo wo bjalo ka molaomogolo wa Repabliki gore re tlo—

Fodiša diphapano tša kgale mme re bope setšhaba seo se theilwego godimo ga dikelo tša temokrasi, toka setšhabeng le ditokelomotheo tša batho;

Aga motheo wa setšhaba se se lokologilego sa temokrasi moo mmušo o theilwego godimo ga thato ya batho gomme moagi yo mongwe le yo mongwe a šireleditšwego ke molao;

Kaonafatša khwalithi ya bophelo bja baagi ka moka le go lokolla bomakgoni bja motho yo mongwe le yo mongwe; le go

Aga Afrika-Borwa ye e kopanego ya temokrasi yeo e ka kgonago go tšea maemo a yona a maswanedi bjalo ka setšhaba se se ikemetšego ka noši ditšhabeng tša lefase ka bophara.

Nyaka ditokelo tša gago bjalo ka Moafrika-Borwa gomme o be le maikarabelo a go šireletša ditokelo tša ba bangwe.	Tseba molao wa ditokelo tša gago le Molao wa Maikarabelo.

E ke Morena a ka boloka setšhaba sa gešo.
Nkosi Sikelel' iAfrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.

ISBN 978-1-4315-0152-6

Rainbow WORKBOOKS

MATHEMATICS IN SEPEDI
GRADE 3 – BOOK 2
TERMS 3 & 4
ISBN 978-1-4315-0152-6

THIS BOOK MAY NOT BE SOLD.
7th Edition

1 2 3 4

MMETSE KA SEPEDI – Mphato wa 3 Puku ya 2

ISBN 978-1-4315-0152-6

E boeleditšwe ebile e sepelelana le CAPS



Mphato wa 3

MMETSE KA SEPEDI

Puku ya 2
Kotara ya 3 & 4

Leina:

Phaposi:

basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

Diteng



Diteng	Hlogo	Letlakala
65	Dinomoro 500 go fihla go 600	2
66	Dinomoro tše dingwe gape, 500 go fihla go 600	4
67	Dinomoro 600 go fihla go 700	6
68	Mošomo wa mmepe	8
69	Dinomoro tše dingwe gape 600 go fihla go 700	10
70	Dinomoro 650 go fihla go 750	12
71	Dinomoro 700 go fihla go 750	14
72	Dibopego tša mahlakorepedi (2-D)	16
73	Go hlakantša le go ntša go fihla go 800	18
74	Go hlakantša le go ntša, gape, go fihla go 800	20
75	Go hlakantša le go ntša, go fihla go 800 gape	22
76	Patrone ya dinomoro: di-10 go fihla go 800	24
77	Go enetša ka go ya go lesome la kgauswi	26
78	Katišo: di-5 go fihla go 75	28
79	Patrone ya dinomoro: di-5 go fihla go 800	30
80	Mosegare le bošego	32
81	Go atiša: di-2 go fihla go 75	34
82	Dipatrone tša dinomoro: di-2 go fihla go 800	36
83	Go atiša: di-2 le di-5 go fihla go 75	38
84	Go atiša: di-3 go fihla go 75	40
85	Go atiša ka di-2, di-3 le di-4 go fihla go 75	42
86	Dipatrone tša dinomoro: di-3 go fihla go 800	44
87	Go atiša: di-4 go fihla go 75	46
88	Dipatrone tša dinomoro: di-4 go fihla go 800	48
89	Go atiša le go arola, ka di-2, di-3, di-4 go fihla go 75	50
90	Di-eng tša dilo tša mahlakoretharo	52
91	Dipalophatlo tša diripana tša didirišwa	54
92	Dipalophatlo go tšwela pele	56
93	Go abagana go tliša dipalophatlo	58
94	Bokgole go dikologa	60
95a	Go gweba ka tshelete	62
95b	A re ye mabenkeleng!	64
96	Tše dingwe gape ka ga difiwa	66
97	Go šoma ka dikilometara	68
98	Dinomoro 700 go fihla go 800	70
99	Dinomoro tše di oketšegilego: 700 go fihla go 800	72
100	Dinomoro: 800 go fihla go 900	74
101	Dinomoro tše di oketšegilego: 800 go fihla go 900	76
102a	Go ela dilo	78
102b	A re kaleng go ya pele	80
103	Dinomoro 900 go fihla go 1 000	82
104	Dinomoro tše di oketšegilego: 900 go fihla go 1 000	84
105	Go hlakantša le go ntša, go fihla go 999	86
106	Ka ga ntlo	88
107	Go šoma ka tshelete	90
108	Go hlakantša le go ntša, go fihla go 999	92
109	Go hlakantša le go ntša, go fihla go 999 gape	94
110	Diphasele tša tekanyo	96
111	Dipatrone tša dinomoro: masome go fihla go 900	98
112	Ruma ka go iša go lesome (10) la kgauswi	100
113	Go atiša le go arola: di-5 go fihla go 100	102
114	Dipatrone tša dinomoro: hlano go fihla go 1 000	104
115	Gape ka ga go swana	106
116	Dipatrone tša dinomoro: di-2 go fihla go 900	108
117	Go atiša le go arola: di-2 go fihla go 100	110
118	Go atiša le go arola: di-3 go fihla go 100	112
119	Patrone ya dinomoro: di-3 go fihla go 1 000	114
120	Go atiša le go arola: di-4 go fihla go 100	116
121	Dipatrone tša dinomoro: di-4 go fihla go 1 000	118
122	Dikarolo tša go lekana tša karolomoka	120
123	Dipalo tša dipalophatlo	122
124	Dilo tša mahlakoretharo	124
125	Dipalophatlo tše dingwe gape	126
126	Tlhopho le kabelano di tšwetšwa pele	128
127	Dipalophatlo tša thenekramo	130
128a	Go lekanyetša mothamo	132
128b	Lekanyetša o tšhele	134
	Sesegwa sa 5	
	Sesegwa sa 6	
	Sesegwa sa 7	
	Sesegwa sa 8	
	Sesegwa sa 9	
	Sesegwa sa 10	



Mdi Angie Motshekga,
Tona ya Thuto ya
Motheo



Mna Enver Surty,
Motlatša-Tona ya Thuto
ya Motheo

Dipukutšhomo tše di tšweleditšwe go thuša bana ba Afrika-Borwa ka tlase ga boetapele bja Tona ya Thuto ya Motheo, Mdi Angie Motshekga, le Motlatša-Tona wa Thuto ya Motheo, Mna Enver Surty.

Rainbow Workbooks di bopa karolo ya mohlwaela wa tsenogare woo maikemišetšo a wona e lego go kaonafatša mošomo wa barutwana ba Afrika-Borwa bao ba lego mephatong ye tshela ya mathomo. Projeke ye, bjalo ka ge e le ye nngwe ya dinepokgolo tša Dithulaganyo tša go Diragatša tša Mmušo, e kgonne go diragala ka thekgo ya mašeleng a go tšwa, ka ntle le go kgokgona go Sešegotlotlo sa Bosetšhaba. Se se kgontšhitše Kgoro go dira dipukutšhomo tše, ka maleme ka moka a semmušo, ka ntle ga gore Kgoro e lefe.

Re hutša gore barutiši ba tla holega ka dipuku tše mošomong wa bona wa tšatši ka tšatši wa go ruta, le go kgonthiša gore barutwana ba kgona go fetša lenanethuto. Re hlokometše gore re hlahle barutiši ditirong ka moka ka go tsenya maswao a ditaetši ao a laetšago seo morutwana a swanetšego go se dira.

Re tloga re hutša gore bana ba tla ipshina ka go dira mešomo ye e lego ka mo dipukwaneng tše ge ba dutše ba gola, ba ithuta, le gore wena, morutiši, o tla ipshina le bona mo lethabong la go ithuta. Re kganyogela lena, barutiši, le barutwana ba lena, katlego, ka tšhomišo ya dipukutšhomo tše.

Published by the Department of Basic Education
222 Struben Street
Pretoria
South

ISBN 978-1-4315-0152-6

© Department of Basic Education
Seventh edition 2017

The Department of Basic Education has made every effort to trace copyright holders but if any have been inadvertently overlooked the Department will be pleased to make the necessary arrangements at the first opportunity.

This book may not be sold.

Mphato wa 3

Rainbow WORKBOOKS

Mmetse

Puku ye ke ya:



SEPEDI

Puka ya

2

SEP MATHS G3 B2 9781431501526.indb 1 2014/07/02 9:45 AM

65

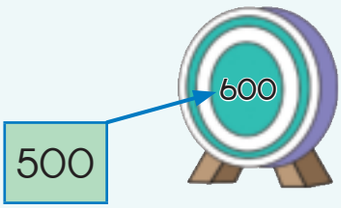
Letšatšikgwedi: .....

Dinomoro 500 go fihla go 600



Bala gomme o ngwale.

a. Šomiša papetla ye e latelago go go thuša go bala go tloga go 500 go fihla go 600.
Balela dinomoro godimo ge o dutše o bala.



501			504						510
							518		
	522								
					536				
541								549	
							558		
		573							
							588		590
	592			595					600

b. Ngwala dinomoro tše di tlogetšwego mo kriting ya mo godimo.

c. Ngwala dinomoro tše 10 tše di tlago ka morago ga 500.

500; _____; _____; _____; _____; _____; _____; _____; _____; _____; _____

d. Ngwala dinomoro tše 8 tše di latelago ka patrone ya di-2.

510; 512; _____; _____; _____; _____; _____; _____; _____; _____

e. Ngwala dinomoro ka moka ka patrone ya di-2 go tloga go 548 go fihla go 570.

548; _____; _____; _____; _____; _____; _____; _____; _____; _____; _____ 570

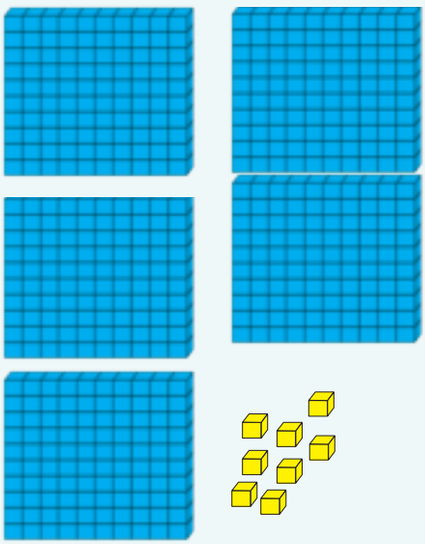
f. Ngwala dinomoro tše 8 tše di latelago ka patrone ya di-5.

515; 520; _____; _____; _____; _____; _____; _____; _____; _____

1 2 3 4 5 6 7 8 9 10

SEP MATHS G3 B2 9781431501526.indb 2 2014/07/02 9:45 AM

2 Na ge o bala o hwetša dipoloko tše kae?



Na o badile bjang dipoloko?

3 Feleletša methalopalo.

540			543				547		549	
							597	598	599	
					597	598	599			

4 Feleletša lenaneo.

	Ngwala go tloga go ye nnyane go feta go ya go ye kgolo go feta	Ngwala go tloga go ye kgolo go feta go ya go ye nnyane go feta
582, 586, 584, 581, 585		
566, 506, 560, 516, 506		

5 Ngwala nomoro ye e latelago ka mantšu.

520	

Teacher:
Sign:
Date:

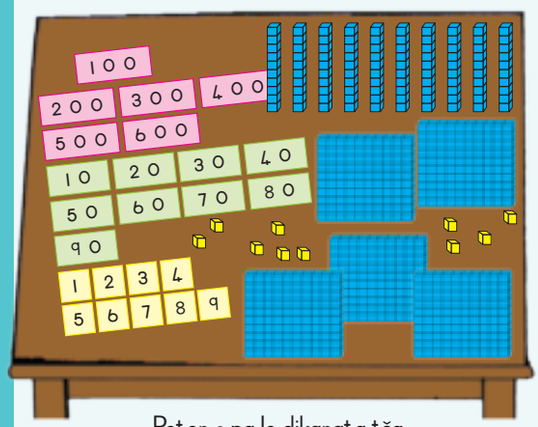
11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 3 2014/07/02 9:45 AM

66

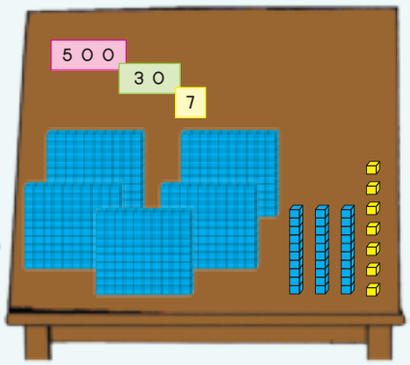
Letšatšikgwedi:

Dinomoro tše dingwe gape, 500 go fihla go 600

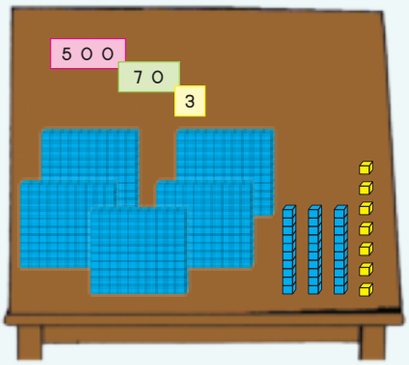


Peter o na le dikarata tša kemapalo ye e latelago le motheopalo wa dipoloko tše 10.

Morutiši o kgopela Peter gore a bontšhe 537 ka dikarata le dipoloko tša gagwe..



Se ke seo Aakar a se bontšhitšego. O šaeditše eng?





Ngwala lefokopalo, ka morago o ngwale karabo.



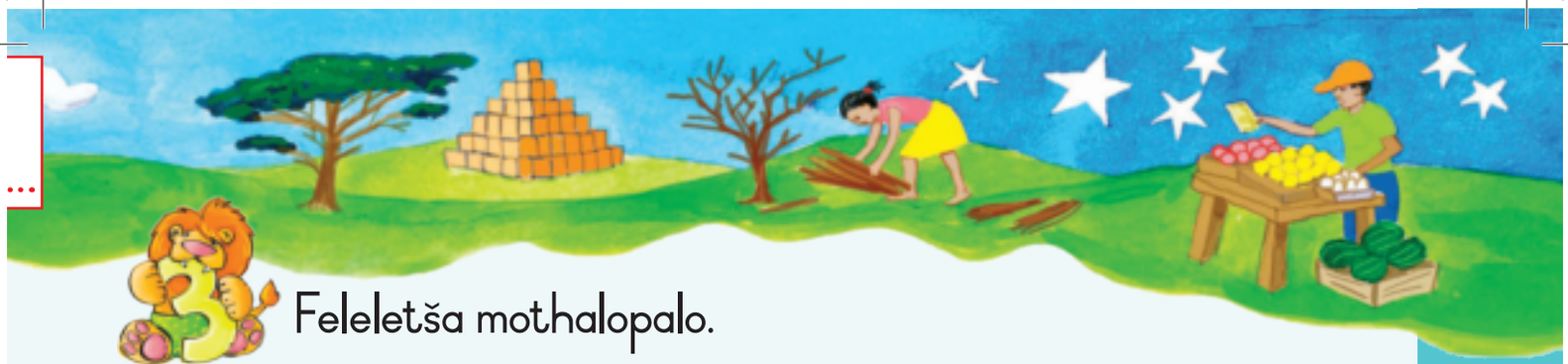
500 + 10 + 7 =	517				



Ngwala lefokopalo, ka morago o ngwale karabo.

500 70 3	500 90	90 1
500 + 70 + 3		
=		

SEP MATHS G3 B2 9781431501526.indb 4 2014/07/02 9:46 AM



3 Feleletša mothalopalo.

550	551	552								560

Ngwala dinomoro ka moka tšeo di lego tše nnyane go 556. _____

Ngwala dinomoro ka moka tšeo di lego tše kgolo go 556. _____

4 Hlopholla nomoro ya gago.

a. Aga nomoro ye nngwe le ye nngwe ka dikarata tša gago.

b. Ngwala kemapalo ya mono wo mongwe le wo mongwe.

Go na le meno ye lesome.
0 1 2 3 4 5 6 7 8 9
Re di bea mmogo gore di dire dinomoro.

495	
508	
594	
549	
602	

Mohlala: 517

5 0 0

1 0

7

5 1 7

517 500 + 10 + 7

5 Ngwala mainapalo.

221	
486	
369	
419	
491	

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 5 2014/07/02 9:46 AM

67

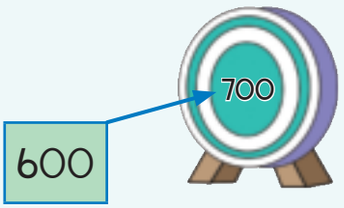
Letšatšikgwedi:

Dinomoro 600 go fihla go 700



Bala gomme o ngwale.

a. Šomiša papetla ye e latelago go go thuša go bala go tloga go 600 go fihla go 700.
Balela dinomoro godimo ge o dutše o bala.



601			604						610
							618		
	622								
					636				
641								649	
							658		
		673							
							688		690
	692			695					700

b. Ngwala dinomoro tše di tlogetšwego mo kriting ya mo godimo.

c. Ngwala dinomoro tše 10 tše di tlago ka morago ga 600.

600; _____; _____; _____; _____; _____; _____; _____; _____; _____; _____

d. Ngwala dinomoro tše 8 tše di latelago ka patrone ya di-2.

622; 624; 626; _____; _____; _____; _____; _____; _____; _____; _____

e. Ngwala dinomoro ka moka ka patrone ya di-2 go tloga go 611 go fihla go 633.

611; _____; _____; _____; _____; _____; _____; _____; _____; _____; _____ 633

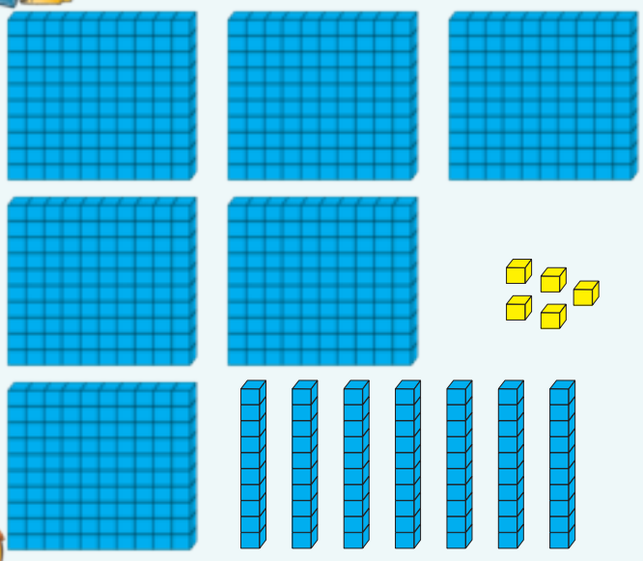
f. Ngwala dinomoro tše 8 tše di latelago ka patrone ya di-5.

645; 650; 655; _____; _____; _____; _____; _____; _____; _____; _____

1 2 3 4 5 6 7 8 9 10

SEP MATHS G3 B2 9781431501526.indb 6 2014/07/02 9:46 AM

2 Na ge o bala o hwetša dipoloko tše kae?



Na o badile bjang dipoloko?

3 Feleletša methalopalo.

640			643				647		649	
							687	688	689	
					602	604	606			

4 Feleletša lenaneo.

	Ngwala go tloga go ye nnyane go feta go ya go ye kgolo go feta	Ngwala go tloga go ye kgolo go feta go ya go ye nnyane go feta
672, 676, 674, 671, 675		
656, 605, 650, 615, 605		

5 Ngwala nomoro ye e latelago ka mantšu.

631	

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 7 2014/07/02 9:46 AM

68

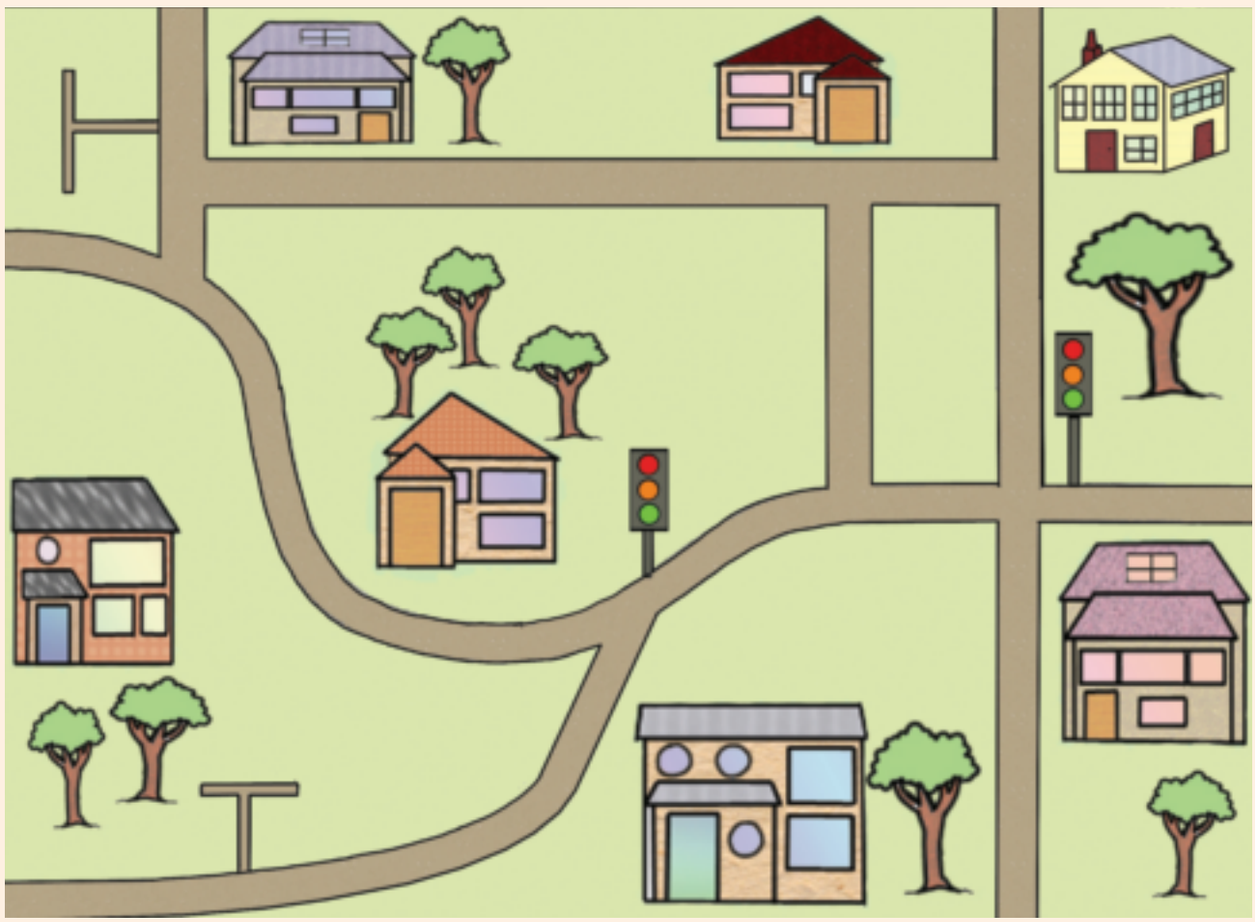
Letšatšikgwedi:

Mošomo wa mmepe

Lebelela seswantšho.

- Ke eng?
- Re se šomišetša eng?
- Re tla hwetša eng mo mmepeng?



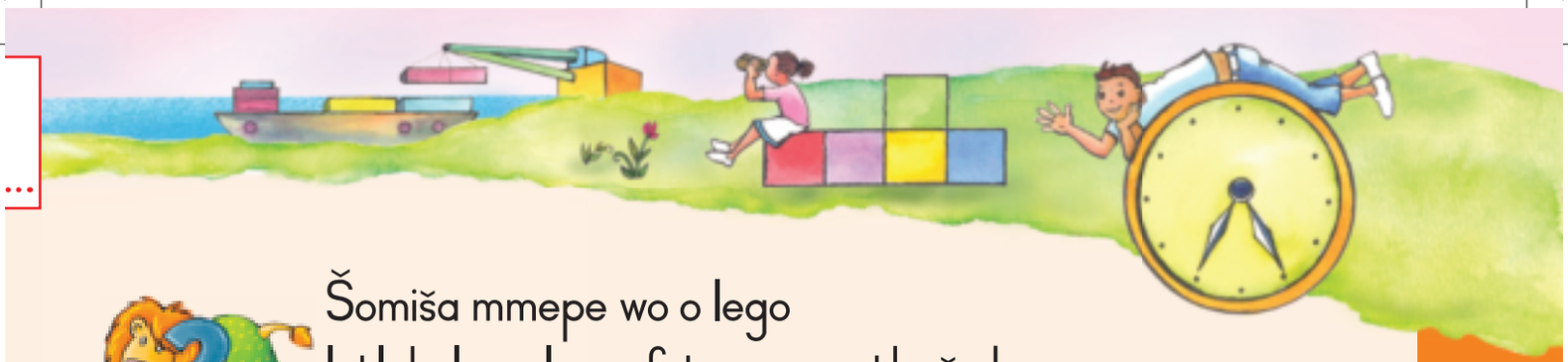




Thala tše di latelago mo mmepeng:

Bokgobapuku, dikolo, kliniki, bookelo, seteišene sa maphodisa le mabenkele.
O ka oketša mebila.

Sepedi G3 B2 Num Gr3-65-80.indd 8 2014/07/24 3:44 PM





Šomiša mmepe wo o lego letlakaleng la go feta gore o thuše bagwera ba gago gore ba hwetše tsela go tloga:

a. kliniking go ya seteišeneng sa maphodisa.

b. sekolong go ya kliniking.

c. sekolong go ya mabenkeleng.

d. mabenkeleng go ya bokgobapuku.

e. bokgobapuku go ya sekolong.

f. bookelong go ya sekolong.

Teacher:
Sign:
Date:

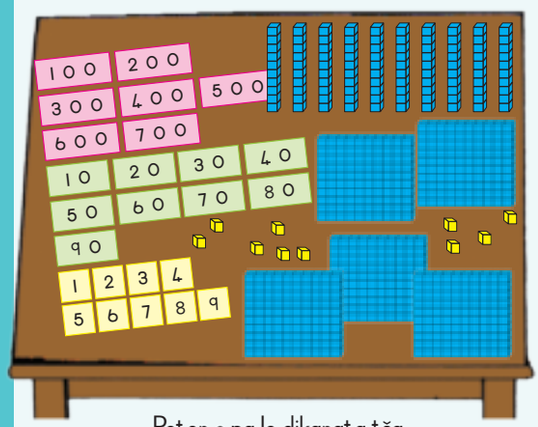
11 12 13 14 15 16 17 18 19 20

Sepedi G3 B2 Num Gr3-65-80.indd 9 2014/07/24 3:44 PM

69

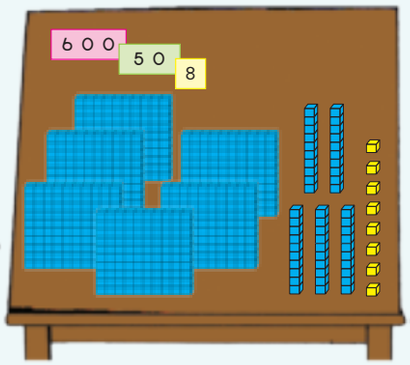
Letšatšikgwedi:

Dinomoro tše dingwe gape
600 go fihla go 700

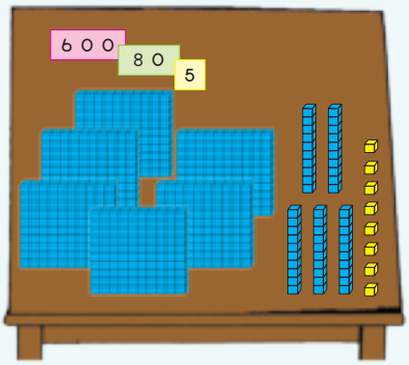


Peter o na le dikarata tša dikemapalo tše di latelago le dipoloko tša motheopalo tša 10.

Morutiši o kgopela Peter gore a bontšhe 658 ka dikarata le dipoloko tša gagwe.

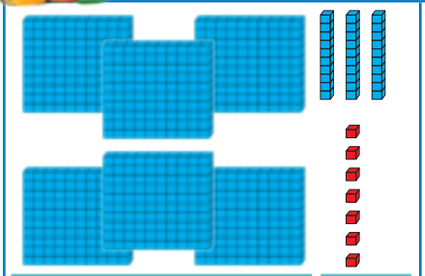


Se ke seo Aakar a se bontšhitšego. O šaeditše eng?





Ngwala lefokopalo, ka morago o ngwale karabo.



600 + 30 + 7 =	637		



Ngwala lefokopalo, ka morago o ngwale karabo.

600 90 8	600 70	600 50 8
600 + 90 + 8		
=		

SEP MATHS G3 B2 9781431501526.indb 10 2014/07/02 9:46 AM



3 Feleletša mothalopalo.

670	671	672								680

Ngwala dinomoro ka moka tšeo di lego tše nnyane go 675. _____

Ngwala dinomoro ka moka tšeo di lego tše kgolo go 675. _____

4 Ngwala < goba > goba =

a. 670 _____ 607 b. 688 _____ 699

c. 600 + 50 + 5 _____ 655

5 Hlopholla nomoro ya gago.

a. Aga nomoro ye nngwe le ye nngwe ka dikarata tša gago.

b. Ngwala kemapalo ya mono wo mongwe le wo mongwe. Bjale dira tše: Hlopholla nomoro ya gago.

686	
690	
699	
673	
665	

Mohlala: 632

600

30

2

632

632	600 + 30 + 2

6 Ngwala mainapalo.

672	
693	
607	
697	
660	

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 11 2014/07/02 9:46 AM

70

Letšatšikgwedi:

.....

Dinomoro 650 go fihla go 750



Bala o ngwale.

a. Šomiša papetla ye e latelago go go thuša go bala go tloga go 700 go fihla go 750.
Balela dinomoro godimo ge o dutše o bala.



650

						657			
661								669	
		683		685					
		703							
			714						
		723				727			
741		743						749	750

b. Ngwala dinomoro tše di tlogetšwego, mo go kriti ya mo godimo.

c. Ngwala dinomoro tše 10 tše di tlago ka morago ga 650.

650; _____; _____; _____; _____; _____; _____; _____; _____; _____; _____

d. Ngwala dinomoro tše 8 tše di latelago mo patroneng ya di-2.

705; 707; 709; _____; _____; _____; _____; _____; _____; _____; _____

e. Ngwala dinomoro ka moka mo patroneng ya di-3, go thoma go 719 go fihla go 749.

719; _____; _____; _____; _____; _____; _____; _____; _____; _____; 749

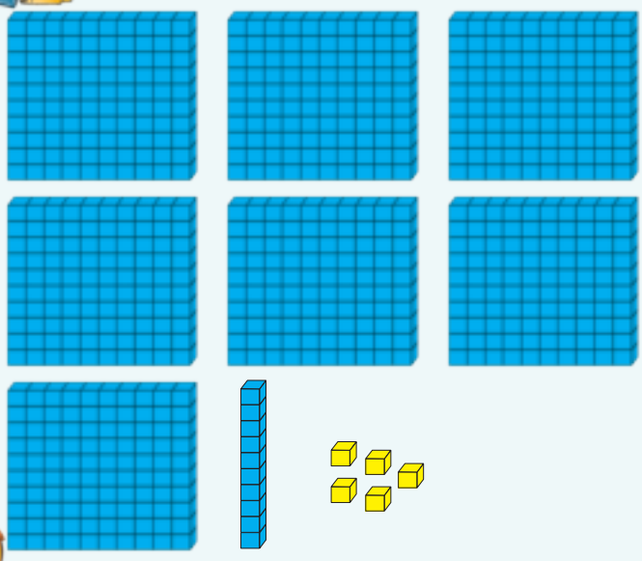
f. Ngwala dinomoro tše 8 tše di latelago mo patroneng ya di-5.

705; 710; 715; _____; _____; _____; _____; _____; _____; _____; _____

SEP MATHS G3 B2 9781431501526.indb 12 2014/07/02 9:46 AM



2 Na ge o bala o hwetša dipoloko tše kae?



O badile bjang dipoloko?

3 Feleletša methalopalo.

700			703				707		709	
							746	747	748	
					706	711	716			

4 Feleletša lenaneo.

	Ngwala go thoma go ye nnyane go feta go fihla go ye kgolo go feta	Ngwala go thoma go ye kgolo go feta go fihla go ye nnyane go feta
729, 720, 728, 721, 725		
659, 705, 607, 701, 706		

5 Ngwala nomoro ye e latelago ka mantšu.

706	

Teacher:
Sign:
Date:

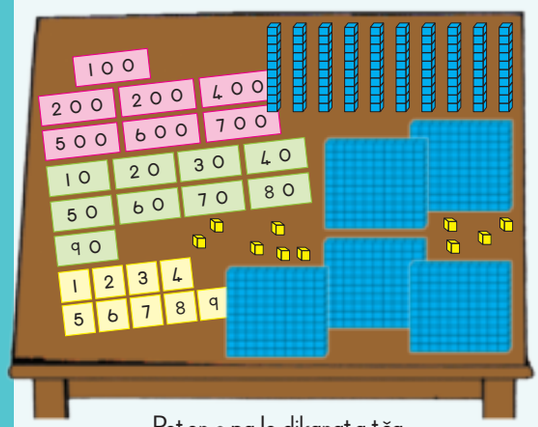
11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 13 2014/07/02 9:46 AM

71

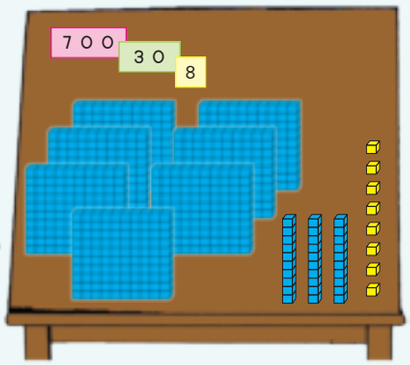
Letšatšikgwedi:

Dinomoro 700 go fihla go 750

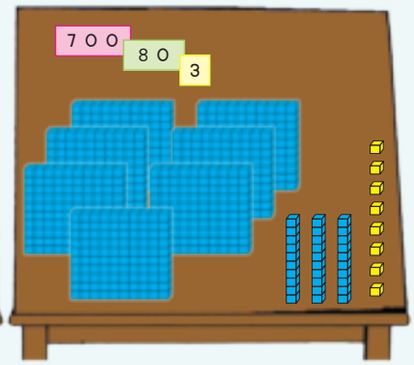


Peter o na le dikarata tša dikemapalo tše di latelago le dipoloko tša motheopalo tša 10.

Morutiši o kgopela Peter gore a bontšhe 738 ka dikarata le dipoloko tša gagwe.

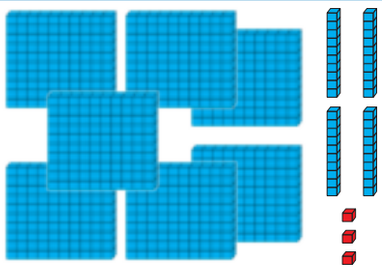
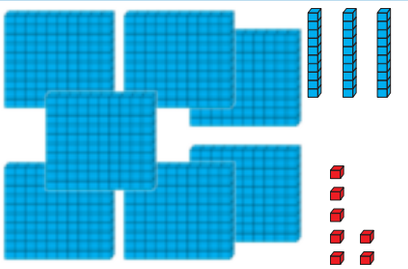
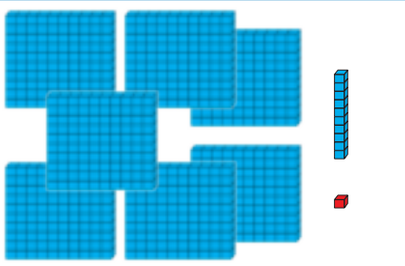


Se ke seo Tumišo a se bontšhitšego. O šaeditše eng?





Ngwala lefokopalo, ka morago o ngwale karabo.

	700 + 40 + 3 =	743	
			
			



Ngwala lefokopalo, ka morago o ngwale karabo.

700 + 40 + 5	700 + 30	700 + 9
=		

SEP MATHS G3 B2 9781431501526.indb 14 2014/07/02 9:46 AM



3 Feleletša mothalopalo.

699	700	701								709

Ngwala dinomoro ka moka tšeo di lego tše nnyane go 704. _____

Ngwala dinomoro ka moka tšeo di lego tše kgolo go 704. _____

4 Ngwala < goba > goba =

a. 750 _____ 749 b. 732 _____ 723

c. 700 + 40 + 9 _____ 749

5 Hlopholla nomoro ya gago.

a. Aga nomoro ye nngwe le ye nngwe ka dikarata tša gago.

b. Ngwala kemapalo ya mono wo mongwe le wo mongwe. Bjale dira tše: Hlopholla nomoro ya gago.

750	
728	
703	
730	
749	

Mohlala: 747

7 0 0

4 0

7

7 4 7

747 700 + 40 + 7

6 Ngwala mainapalo.

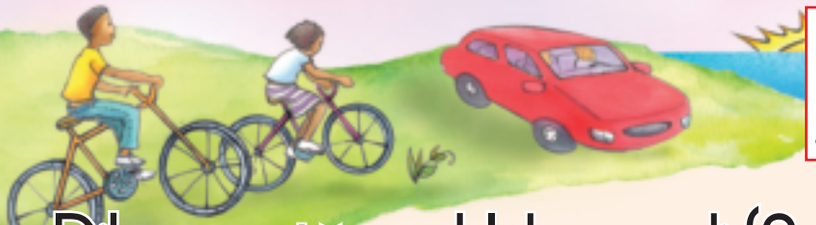
714	
750	
742	
738	
704	

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 15 2014/07/02 9:46 AM

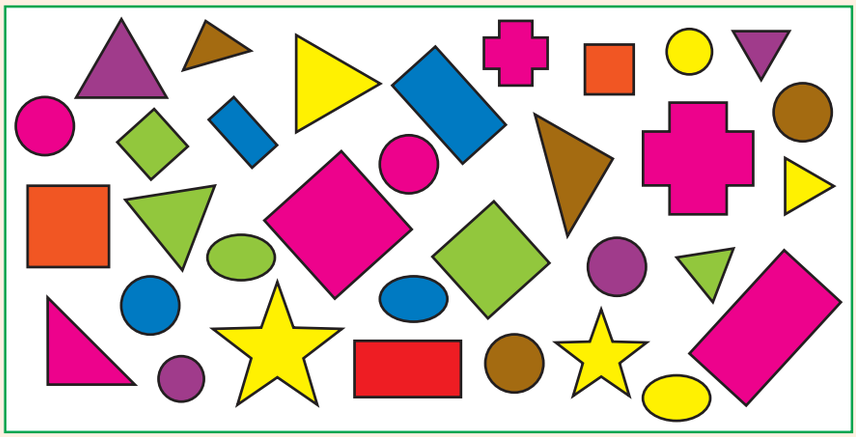
72



Letšatšikgwedi:

Dibopego tša mahlakorepedi (2-D)

Bolela gore na sebopego se na le lehlakorethwi goba lehlakorekgokolo.



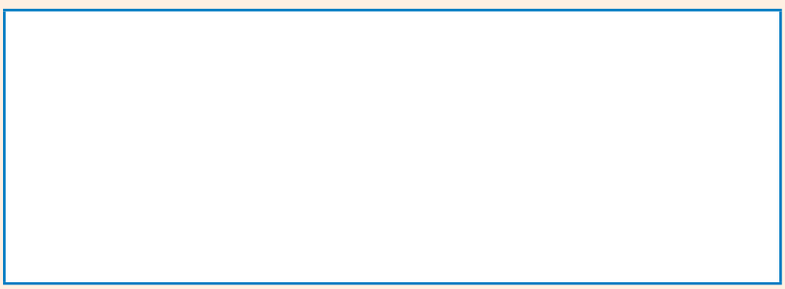


Bolela gore na sebopego se na le lehlakorethwi goba lehlakorekgokolo.



O ka kgona go thala dibopego tše kae ka merumo ye e lego thwi.





Hwetša diswantšho.

Hwetša dibopego tšeo di nago le merumothwi gomme o di mamaretše mo.

Hwetša dibopego tšeo di nago le merumo ya nkgokolo gomme o di mamaretše mo.

SEP MATHS G3 B2 9781431501526.indb 16 2014/07/02 9:46 AM



4 Feleletša tše di latelago:

	Thala sebopego ka maemo a go fapana.
khutlotharo	
khutlonnethwi	
sekwere	

5 Feleletša lenaneo:

	Efa sebopego leina	Thala sebopego seo se lego se sennyane kudu.	Thala sebopego seo se lego se segolo kudu.
			
			
			
			

6 Hwetša dikwere, dikhutlotharo, dikhutlonnethwi le didiko tša bogolo bja go fapana ka go dikgatišobaka goba ka go dikuranta.

Di mamaretše mo.



11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 17 2014/07/02 9:46 AM

73 Go hlakantša le go ntša go fihla go 800

Letšatšikgwedi

Nka reka eng ka R500?

Mo go dilo tše, ke dife tšeo nka di rekago, tša ja R500 tlwa!?



2 Oketša go thoma go 600.

Ngwala dinomoro tšeo di tlogetšwego.

Thoma: 600 → +20 → 620 → +15 → ☐ → +15 → ☐ → +10 → ☐

Fetša: ☐ ← +10 ← ☐ ← +25 ← ☐ ← +5 ← ☐

3 Balela morago, go tloga go 800.

Ngwala "phetogo" ka dinako tšohle.

Thoma: 800 → – ☐ → 790 → – ☐ → 786 → – ☐ → 776 → – ☐ → 766 → – ☐ → 760 → – ☐ → 740 → – ☐ → 715 → – ☐ → 705 → – ☐ → 690 → – ☐ → 660 Fetša

SEP MATHS G3 B2 9781431501526.indb 18 2014/07/02 9:46 AM



4 Rarolla tše di latelago:

725 + 53 =	

664 + 87 =	

564 + 132 =	

75 + 717 =	

5 Rarolla tše di latelago:

Molelo o kgobokeditše dimabolo tše 525.

Ge Tumišo a mo file dimabolo tše dingwe tše 205, Molelo o tla ba le palo ya go swana le ya Tumišo.

a. Ba tla be ba na le dimabolo tše kae bobedi bja bona?

b. Mathomong Tumišo o be a na le dimabolo tše kae?

a.

b.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 19 2014/07/02 9:46 AM

74

Go hlakantšha le go ntšha, gape, go fihla go 800

Letšatšikgwedi:

Maloko a dinomoro.

Re ka dira maloko a dinomoro.
Leloko le lengwe le le lengwe le na le dinomoro tše pedi tše kgolo, le e tee ye nnyane.

Tšea 4, 8 le 12, e le mohlala.

$4 + 8 = 12$ $\quad 8 + 4 = 12$

$12 - 8 = 4$ $\quad 12 - 4 = 8$



Humana maloko.

Ngwala mafokopalo a 4 mo go sehlopha se sengwe le se sengwe.

6 8 14				
17 17 34				
25 45 70				
65 335 400				
240 260 500				



Nyaka dikgokagano.

Mo go mošongwana wo re ile go šupa patrone.

$360 - 50 =$ ☐	$50 +$ ☐ $= 360$	☐ $+ 50 = 360$
$570 - 480 =$ ☐	$480 +$ ☐ $= 570$	☐ $+ 480 = 570$
$430 - 31 =$ ☐	$31 +$ ☐ $= 430$	☐ $+ 31 = 430$
$676 - 70 =$ ☐	$70 +$ ☐ $= 676$	☐ $+ 70 = 676$
$799 - 701 =$ ☐	$701 +$ ☐ $= 799$	☐ $+ 701 = 799$

SEP MATHS G3 B2 9781431501526.indb 20 2014/07/02 9:46 AM



3 Leeto le letelele ka sefatanaga.

Mna Letsoalo o sepela ka sefatanaga go yo etela mmagwe yo a dulago bokgole bja dikilometara tše 352 go tloga moo a dulago.

O ema ka morago ga dikilometara tše 166. Na o šaletšwe ke dikilometara tše kae?

Mogoroši o dira se:	Boati o ngwala se:
352 – 166 +4 + 30 + 100 + 52 166 170 200 300 352 30 + 4 + 100 + 52 = 134 + 52 = 186 km	352 – 166 = 300 + 50 + 2 – 100 + 60 + 6 = 300 + 40 + 12 – 100 + 60 + 6 = 200 + 140 + 12 – 100 + 60 + 6 = 100 + 80 + 6 = 186 km
Oketšo o dira se:	**Peter o dira se:**
352 – 166 166 + 100 → 266 + 34 → 300 + 52 → 352 100 + 34 + 52 = 134 + 52 = 186 km	352 – 166 = 352 – 100 – 66 = 252 – 66 = 252 – 52 – 14 = 200 – 14 = 186 km
Veronica o dira se:	**Phuki o nagana ka dipedifatšo le diripagare:**
352 – 166 352 – 152 = 200 200 – 14 = 200 – 10 – 4 = 190 – 4 = 186 km	Seripagare sa 352 ke 176 Eupša ke swanetše go tšea 166, Ka fao ke hlakantšha ke bušetša 10. 176 + 10 = 186 km

Bolela ka ga mekgwa ya go fapana. Ke mokgwa ofe wo o o ratago go feta? Efa lebaka?

4 Rarolla tše di latelago mo pampiring ye nngwe:

Šomiša ofe goba ofe wa mekgwa ye ya ka godimo.

746 – 328	800 – 499

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 21 2014/07/02 9:46 AM

75

Letšatšikgwedi:

Go hlakantšha le go ntšha, go fihla go 800 gape



Itirele maloko a dinomoro.

Mošongwana wa go itokiša.

8 9 17

Mohlala: Dira 17

5 12 17



$5 + 12 = 17$
$12 + 5 = 17$
$17 - 12 = 5$
$17 - 5 = 12$

$8 + 9 = 17$
$9 + 8 = 17$
$17 - 9 = 8$
$17 - 8 = 9$



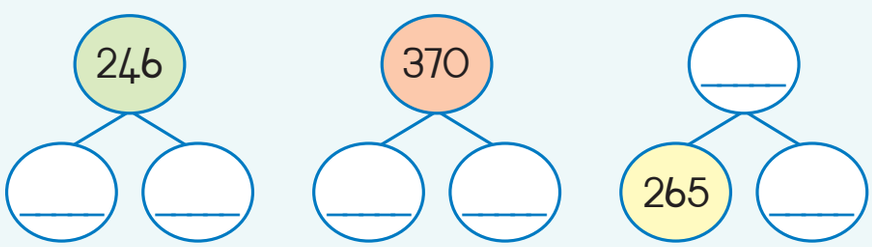
Mo go nomoro ye nngwe le ye nngwe, kgetha 2 gape, go dira maloko.
Ngwala mafokopalo a mane (pedi +, le pedi –) mo go lefokopalo le lengwe le le lengwe.

Lekola! Bapetša! Lokiša!

			+	+	–	–
16	7	9	$7 + 9 = 16$	$9 + 7 = 16$	$16 - 9 = 7$	$16 - 7 = 9$
20						
200						
75						
50						
500						
190						



Hwetša dipedi goba diripagare tšeo di tlogetšwego.



SEP MATHS G3 B2 9781431501526.indb 22 2014/07/02 9:46 AM



3 Go ripa gare e le go ntšha.

Ge o tseba diripagare le dipedifatšo, ka nako ye nngwe o ka di šomišetša go hlakantšha le go ntšha. Mohlala:

34 – 18 = 16 34 – 17 = 17 17 – 1 = 16	190 – 97 190 – 95 = 95 95 – 2 = 93	65 + 69 65 + 65 = 130 130 + 4 = 134	242 + 249 = 242 + 242 + 7 = 484 + 7 = 491

Bjale leka tše:

340 – 176	145 + 148	900 – 452

4 Ithute mekgwa.

Yo mongwe le yo mongwe wa bana ba 256 o hwetša mpho ya Krisemose. Seripagare se hwetša mepopo, seripagare se hwetša difatanaga. Ke ba bakae bao ba hwetšago difatanaga?

Mokgwa wa 1	Mokgwa wa 2
256 = 200 + 50 + 6 → Seripagare sa 200 ke 100 → Seripagare sa 50 ke 25 → Seripagare sa 6 ke 3 100 + 25 + 3 = 128 → Seripagare sa 256 ke 128 Ka fao ba 128 ba hwetša dikoloi.	→ Seripagare sa 250 = 125 → Seripagare sa 6 ke 3 125 + 3 = 128 → Seripagare sa 256 ke 128, Ka fao 128 ba hwetša dikoloi.

5 Rarolla tše di latelago mo pampiring ye nngwe:

Šomiša ofe goba ofe wa mekgwa ye ya ka godimo.

Bana ba 728, yo mongwe le yo mongwe o hwetša sebapadišwa mo kuranteng ya mo gae. Seripagare sa bona se hwetša dipoloko tša go aga.
Ke ba bakae bao ba hwetšago dipoloko tša go aga?

Bana ba 642, yo mongwe le yo mongwe o hwetša kuku ya mafini.
Seripagare sa bona se hwetša dimafini tša tšhokolete.
Ke ba bakae bao ba hwetšago dimafini tša tšhokolete?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 23 2014/07/02 9:46 AM

76

Letšatšikgwedi: .....

Patrone ya dinomoro: di-10 go fihla go 800



O ka bolela eng ka ga dinomoro mo go dipoloko tšeo di khalarilwego ka mmala wa namune?

Bala di-10 go tloga go 710 go fihla go 800.

Ke eng yeo e latelago 710 ge o bala ka di-10?

Balela morago ka di-10 go tloga go 800 go fihla go 710.

Ke eng ye e tlago pele ga 760 ge o balela morago?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Feleletša mafokopalo.

720; 730; 740; _____; _____; _____	800; 790; 780; _____; _____; _____



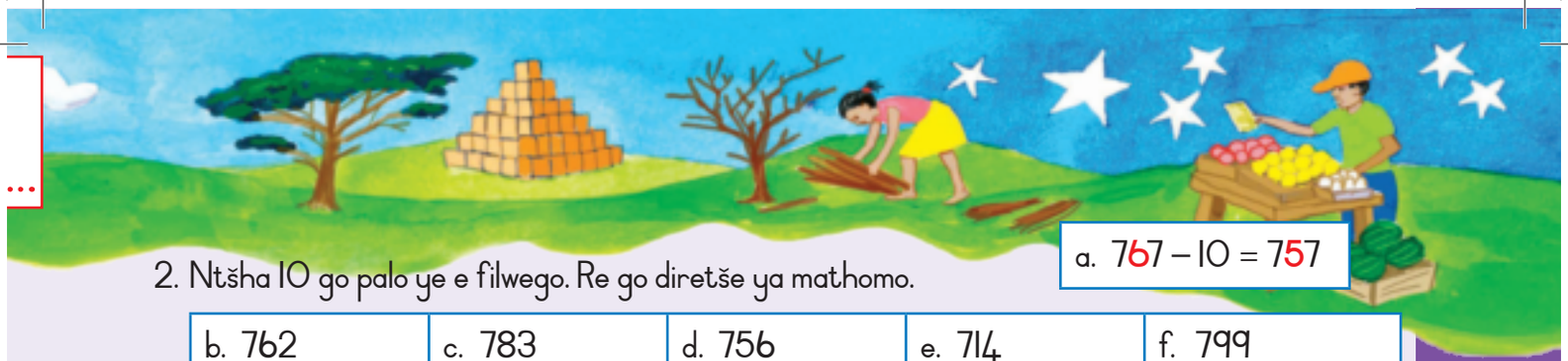
Hlakantšha le, goba ntšha 10.

1. Oketša palo ye e filwego, ka 10. Re go diretše ya mathomo.

a. 767 + 10 = 777

b. 762 _____	c. 783 _____	d. 756 _____	e. 714 _____	f. 799 _____

SEP MATHS G3 B2 9781431501526.indb 24 2014/07/02 9:46 AM



a. 767 – 10 = 757

2. Ntšha 10 go palo ye e filwego. Re go diretše ya mathomo.

b. 762 _____	c. 783 _____	d. 756 _____	e. 714 _____	f. 799 _____

3. Go direga eng ge o oketša ka, goba o ntšha 10 mo go dipalo tša mo godimo?

_____



Lebelela didiko tše khubedu mo papetleng ya dinomoro.

a. O lemoga eng ka ga didiko? _____

b. Oketša ditatelano tše tša dinomoro:

704; 714; 724; _____ ; _____ ; _____

715; 725; 735; _____ ; _____ ; _____

799; 789; 779; _____ ; _____ ; _____

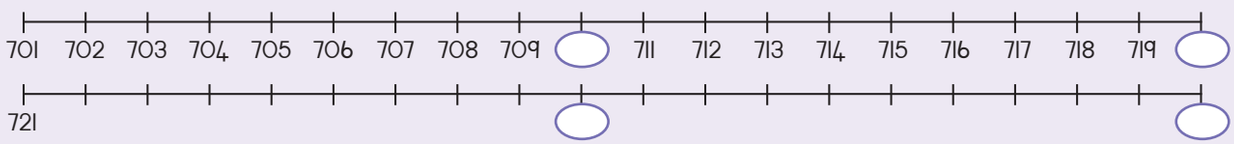
782; 772; 762; _____ ; _____ ; _____

737; 747; 757; _____ ; _____ ; _____

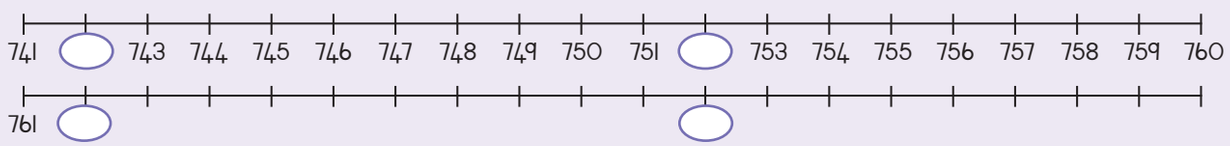


Ngwala nomoro ya maleba sedikong se sengwe le se sengwe mo go methalopalo ye.

a.



b.





Ke na le nomoro ya meno ye 3.



Mono wa mathomo ke 7, wo o latelago o feta 7 ka 1, gomme mono wa mafelelo o fetwa ke 7 ka 1.

Ge o balela pele ka di-10 go tloga go nomoro ye, nomoro ye e ka ba eng?

_____

Teacher:
Sign:
Date:

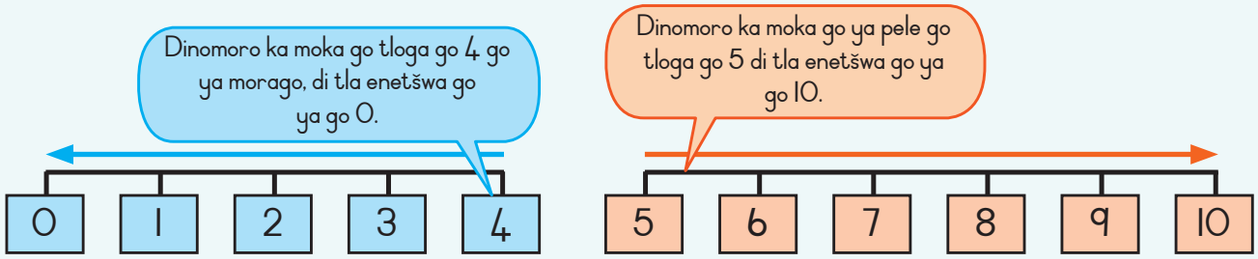
11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 25 2014/07/02 9:46 AM

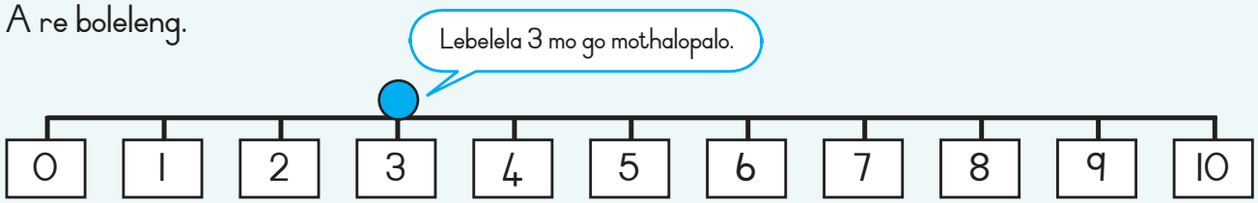
77

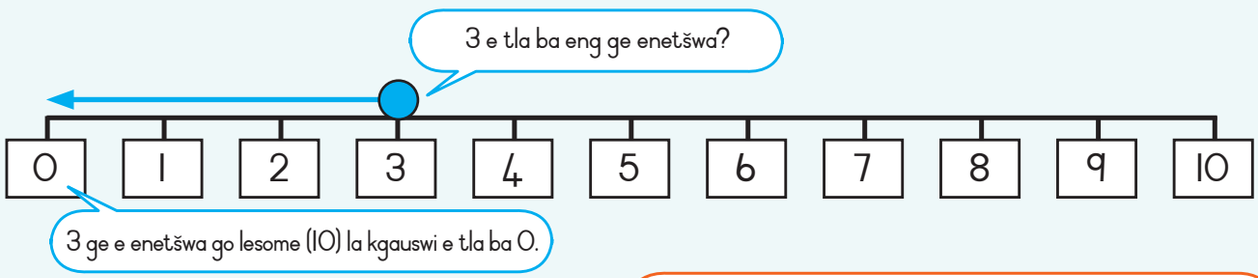
Go enetša ka go ya go lesome la kgauswi

Letšatšikgwedi: .....

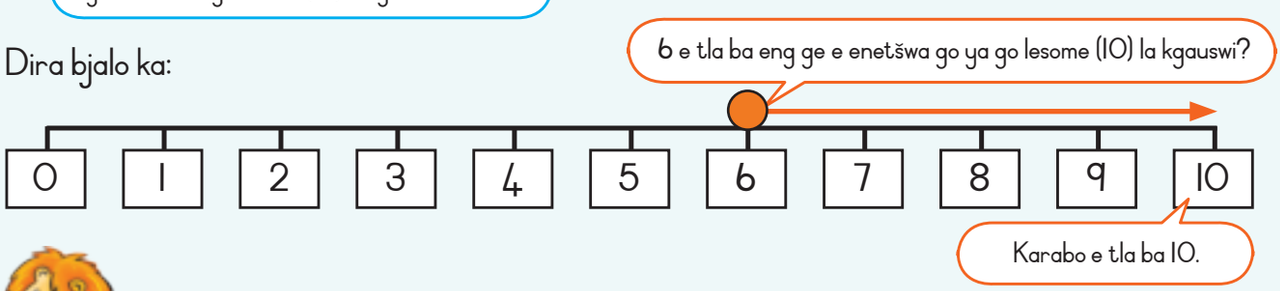


A re boleleng.





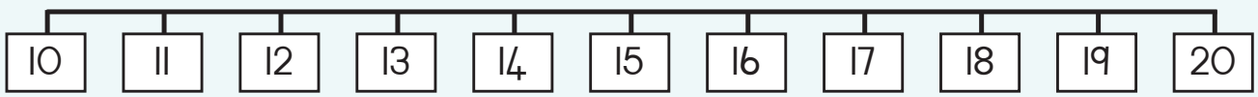
Dira bjalo ka:



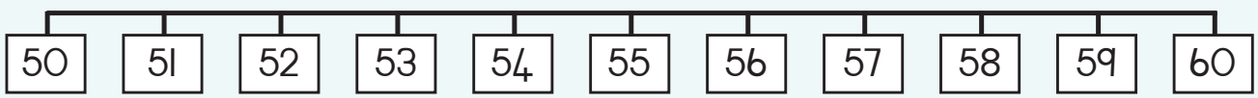


Enetša go ya go lesome (10) la kgauswi.

12 ge e enetšwa ke? _____ 19 ge e enetšwa ke? _____



53 ge e enetšwa ke? _____ 58 ge e enetšwa ke? _____





SEP MATHS G3 B2 9781431501526.indb 26 2014/07/02 9:46 AM

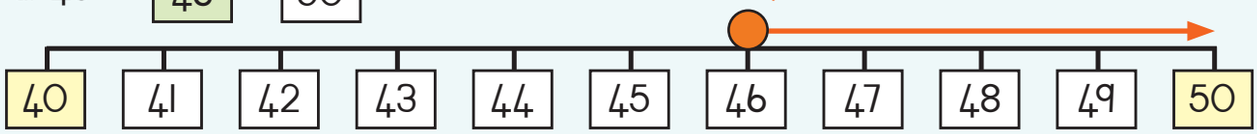




Enetša go ya go lesome (10) la kgauswi, o šomiša mothalopalo go go thuša.

a. 46 [46] [50]

46 e magare ga di-10 dife tše? ____



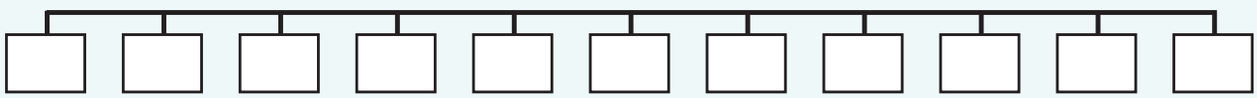
b. 63 ____

63 e magare ga di-10 dife? ____



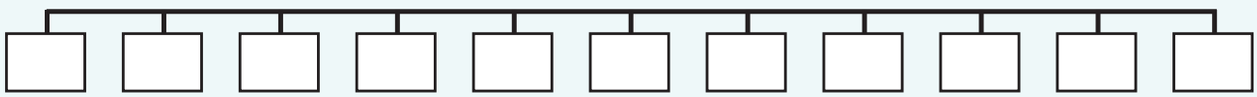
c 37 ____

37 e magare ga di-10 dife? ____



d. 99 ____

99 e magare ga di-10 dife? ____







Tom o na le R48,00.

Phakete ya dikarata tše a di kgoboketšago e ja R5,00.

Na a ka reka diphakete tše kae ka R48,00? _____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 27 2014/07/02 9:46 AM

78

Letšatšikgwedi:

Katišo: di-5 go fihla go 75

Ke eng se se tlago ka di-5?

Menwana ya seatla se tee.



Ke menwana ye mekae mo go:

Diatla tše 2

Diatla tše 3?

Diatla tše 4?

Diatla tše 5?

Diatla tše 6 ?

Diatla tše 7?

Diatla tše 8 ?

Diatla tše 9 ?

Diatla tše 10?

Nyalanya palo le potšišo ye e lego ka go la nngele:

$9 \times 5 = 45$

$7 \times 5 = 35$

$2 \times 5 = 10$

$4 \times 5 = 20$

$3 \times 5 = 15$

$5 \times 5 = 25$

$10 \times 5 = 50$

$6 \times 5 = 30$

$8 \times 5 = 40$



Feleletša lenaneo le.

Go hlopha	Atiša	Go abagana	Go arola
Dihlopha tše 2 tša di-5	$2 \times 5 = 10$	Abaganya 10 magare ga 5	$10 \div 5 = 2$
Dihlopha tše 7 tša di-5		Abaganya 35 magare ga 5	
Dihlopha tše 12 tša di-5		Abaganya 60 magare ga 5	
Dihlopha tše 15 tša di-5		Abaganya 75 magare ga 5	



Feleletša lenaneo le.

Go abagana	Go arola
Abaganya 35 magare ga 5	$12 \div 5 = 2$ go šala 2
Abaganya 64 magare ga 5	
Abaganya 39 magare ga 5	
Abaganya 73 magare ga 5	

SEP MATHS G3 B2 9781431501526.indb 28 2014/07/02 9:46 AM



Feleletša diswantšho tša go laetša tatelano ya ditiro.

go dira	molawana	poelo
11	× 5	
12		
13		
14		
15		

go dira	molawana	poelo
16	× 5	
17		
18		
19		
20		

go dira	molawana	poelo
5	÷ 5	
10		
15		
25		
30		

go dira	molawana	poelo
55	× 5	
60		
65		
70		
75		

Feleletša mananeo a:

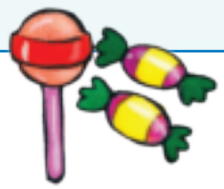
×	1	2	3	4	5	6	7	8	9	10
5										

×	11	12	13	14	15	16	17	18	19	20
5										

O hweditše bjang dikarabo tšeo di swanetšego go ngwalwa ka dipolokong tše talalerata?

Rarolla tše di latelago:

Mma o rekile diphuthelwana tša malekere a go ja R70.
O lefile R5 sephuthelwana se tee.
Na o rekile diphuthelwana tše kae tša malekere?



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 29 2014/07/02 9:47 AM

79

Letšatšikgwedi:

Patrone ya dinomoro: di-5 go fihla go 800



Na o ka bolela eng ka dinomoro tšeo di lego dipolokong tša mmala wa namune?

Bala di-5 go tloga go 705 go fihla go 800.
Ke nomoro efe yeo e tlago ka morago ga 720 ge o bala ka di-5?

Balela morago ka di-5 go tloga go 800 go fihla go 705.
Ke nomoro efe ye e tlago pele ga 730 ge o balela morago?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Feleletša mafokopalo.

725; 730; 735; _____; _____; _____	800; 795; 790; _____; _____; _____



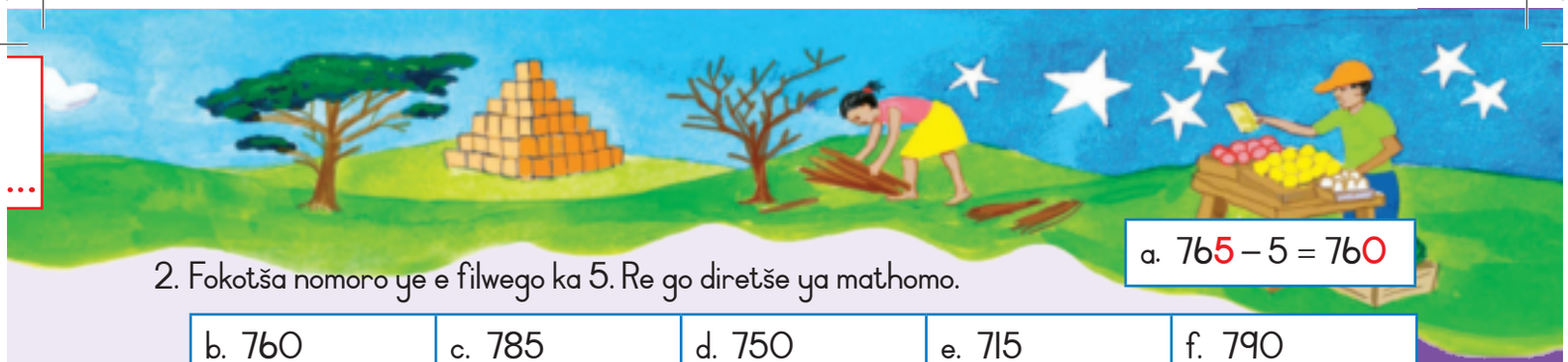
Hlakantšha goba o ntšhe 5.

a. 760 + 5 = 765

1. Oketša nomoro ye e filwego ka 5. Re go diretše ya mathomo.

b. 725 _____	c. 780 _____	d. 755 _____	e. 715 _____	f. 790 _____

SEP MATHS G3 B2 9781431501526.indb 30 2014/07/02 9:47 AM



a. 765 – 5 = 760

2. Fokotša nomoro ye e filwego ka 5. Re go diretše ya mathomo.

b. 760 ____	c. 785 ____	d. 750 ____	e. 715 ____	f. 790 ____

3. Go direga eng ge o hlakantša ka 5 goba o ntša 5 dinomorong tša mo godimo?

_____



Lebelela didiko tše khubedu mo lenaneong la dinomoro.

a. O lemoga eng ka didiko tše? _____

b. Oketša mafokopalo a a latelago:

703; 708; 713; ____ ; ____ ; ____

753; 758; 763; ____ ; ____ ; ____

701; 706; 711; ____ ; ____ ; ____

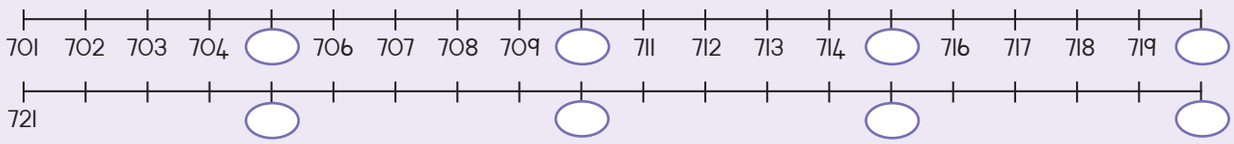
722; 727; 732; ____ ; ____ ; ____

714; 719; 724; ____ ; ____ ; ____

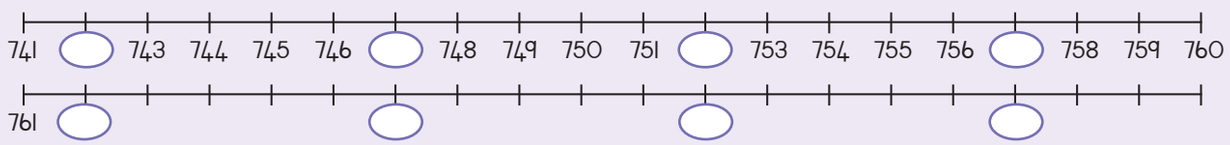


Ngwala nomoro ya maleba sedikong se sengwe le se sengwe mo methalopalong ye.

a.



b.





Ke na le dinomoro tša menotharo.



Mono wa mathomo ke 7, mono wo o latelago o feta 7, ka 1 gomme mono wa mafelelo o fetwa ke 7 ka 5.

Ge o balela pele ka di-5 go tloga go nomoro ye, nomoro yeo e tla ba efe?

_____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

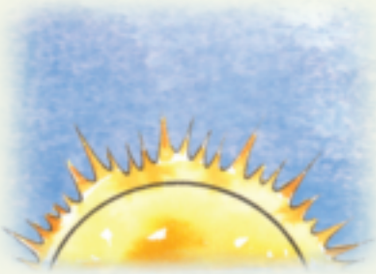
SEP MATHS G3 B2 9781431501526.indb 31 2014/07/02 9:47 AM

80

Letšatšikgwedi:

Mosegare le bošego







Motse-Kapa

Lenaneo le la mo tlase le laetša gore letšatši le hlaba neng gape le sobela neng ka dinako tše di fapanego tša ngwaga mo Motse-Kapa. Bala dinako tše di lego mo lenaneong gomme o ngwale lenaneo go ya pele, pele o araba dipotšišo tše tša mo tlase.



Motse-Kapa	Go hlaba ga letšatši	Go sobela ga letšatši	Botelele bja letšatši	Botelele bja bošego
Hlakola 23	6:53 ms	6:53 tp		
Mosegamanye 21	7:51 ms	5:44 tp		
Lewedi 19	6:41 ms	6:41 tp		
Manthole 22	5:32 ms	7:58 tp		

a. Ke kgwedi dife tšeo mosegare le bošego di lekanago ka botelele?

b. Ke kgwedi dife tšeo di nago le letšatši le letelele go feta? _____

c. Ke kgwedi dife tšeo di nago le letšatši le lekopana go feta? _____

d. Hwetša phapano ka diiri le metsotso magareng ga letšatši le letelele go feta le le lekopana go feta. _____

e. Mo letšatšikgweding le lengwe le le lengwe lenaneo la ka godimo, hwetša botelele bja mosegare le botelele bja bošego.

_____

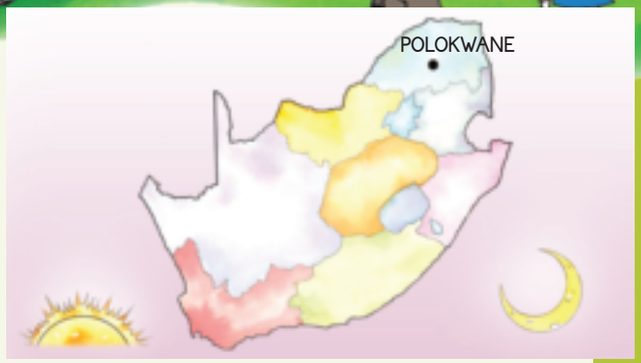
_____

SEP MATHS G3 B2 9781431501526.indb 32 2014/07/02 9:47 AM





Polokwane



Lenaneo le le laetša go hlaba le go sobela ga letšatši mo dinakong tše di fapanago kua Polokwane.
Bala dinako mo lenaneong gomme o ngwale le mafelong a lenaneo pele o araba dipotšišo tše di lego mo tlase.

Polokwane	Go hlaba ga letšatši	Go sobela ga letšatši	Botelele bja letšatši	Botelele bja bošego
Hlakola 25	6:08 ms	6:08 tp		
Mosegamanye 21	6:44 ms	5:24 tp		
Lewedi 17	5:57 ms	5:57 tp		
Manthole 22	5:13 ms	6:50 tp		

a. Ke kgwedi dife tšeo mosegare le bošego di lekanago ka botelele?

b. Ke go dikgwedi dife tšeo go tšona botelele bja letšatši bo lekanago kua Motse-Kapa le kua Polokwane?

c. Ke kgwedi dife moo di fapanago? _____

d. Hwetša phapano ka diiri le metsotso magareng ga letšatši le letelele go feta le lekopana go feta. _____

e. Mo letšatšikgweding le lengwe le le lengwe lenaneo la ka godimo, hwetša botelele bja mosegare le botelele bja bošego.



Kgopela yo mongwe a go thuše go hwetša dinako tša go hlaba ga letšatši le go sobela ga letšatši tikologong ya lena. Ngwala dinako tšeo, tša beke e tee. Na matšatši a ba a matelele goba a makopana?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 33 2014/07/02 9:47 AM

81

Letšatšikgwedi:

Go atiša: di-2 go fihla go 75

Ke eng se se tlago ka di-2?
Phere e tee ya dieta.



Ke dieta tše kae tše di dirago:

Phere e 1 ya dieta?
diphere tše 2 tša dieta?
diphere tše 3 tša dieta?
diphere tše 4 tša dieta?
diphere tše 5 tša dieta?
diphere tše 6 tša dieta?
diphere tše 7 tša dieta?
diphere tše 8 tša dieta?
diphere tše 9 tša dieta?
diphere tše 2 tša dieta?

Nyalanya palo le potšišo ya go la nngele:

1 × 2 = 2
9 × 2 = 18
7 × 2 = 14
2 × 2 = 4
4 × 2 = 8
3 × 2 = 6
5 × 2 = 10
10 × 2 = 20
6 × 2 = 12
8 × 2 = 16



Feleletša lenaneo.

Go hlopha	Atiša	Go abagana	Arola
Dihlopha tše 10 tša di-2	10 × 2 = 20	Abaganya 20 magare ga 2	20 ÷ 2 = 10
Dihlopha tše 15 tša di-2		Abaganya 30 magare ga 2	
Dihlopha tše 20 tša di-2		Abaganya 40 magare ga 2	
Dihlopha tše 35 tša di 2		Abaganya 70 magare ga 2	



Feleletša lenaneo.

Go abagana	Arola
Abaganya 21 magare ga 2	21 ÷ 2 = 10 go šala 1
Abaganya 33 magare ga 2	
Abaganya 67 magare ga 2	
Abaganya 75 magare ga 2	

SEP MATHS G3 B2 9781431501526.indb 34 2014/07/02 9:47 AM



Feleletša diswantšho tša go laetša tatelano ya ditiro.

go dira	molawana	poelo
11	× 2	
12		
15		
17		
20		

go dira	molawana	poelo
22	× 2	
26		
31		
30		
35		

go dira	molawana	poelo
20	÷ 2	
26		
32		
38		
44		

go dira	molawana	poelo
50	× 2	
60		
68		
72		
74		

Feleletša mananeo a a mo tlase:

×	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2																				

×	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
2																	

Rarolla tše di latelago:

Ke rekile dilolipopo tše 36 ka R2 e tee.
Ke lefile ka R50, ka R20 le ka R5 ya khoine.
Tšhentšhi ke bokae?



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 35 2014/07/02 9:47 AM

Letšatšikgwedi:

82 Dipatrone tša dinomoro: di-2 go fihla go 800



O ka bolela eng ka dinomoro tše di lego ka dipolokong tša mmala wa namune?

Bala ka di-2 go tloga go 700 go fihla go 800. Ke nomoro efe ye e tlago ka morago ga 700 ge o bala ka di-2?

Balela morago ka di-5 go thoma go 800 go fihla go 710. Ke nomoro efe ye e tlago pele ga 750 ge o balela morago?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Feleletša tatelano ya dinomoro.

720; 722; 724; ____; ____; ____	800; 798; 796; ____; ____; ____



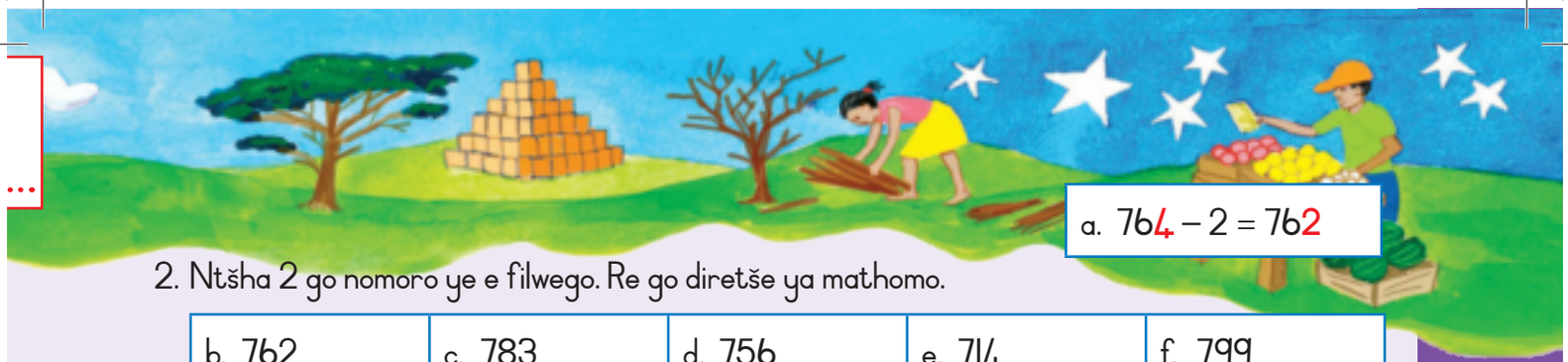
Oketša ka 2 goba o fokotše ka 2.

a. 764 + 2 = 766

1. Oketša nomoro ye e filwego ka 2. Re go diretše ya mathomo.

b. 762 ____	c. 783 ____	d. 756 ____	e. 714 ____	f. 799 ____

SEP MATHS G3 B2 9781431501526.indb 36 2014/07/02 9:47 AM



a. 764 – 2 = 762

2. Ntšha 2 go nomoro ye e filwego. Re go diretše ya mathomo.

b. 762 ___	c. 783 ___	d. 756 ___	e. 714 ___	f. 799 ___

3. Go direga eng ge o oketša ka pedi goba o fokotša ka pedi mo dinomorong tše tša mo godimo?

_____



Lebelela didiko tše talalerata mo go papetla ya dinomoro.

a. O lemoga eng ka ga dinomoro tše? _____

b. Oketša tatelano ya dinomoro tše di latelago:

701; 703; 705; ____; ____; ____

725; 727; 729; ____; ____; ____

799; 797; 795; ____; ____; ____

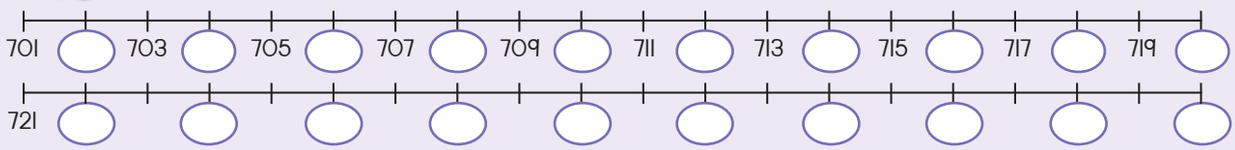
783; 785; 787; ____; ____; ____

779; 781; 783; ____; ____; ____

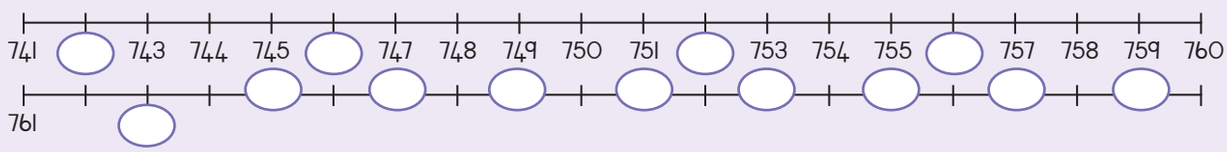


Ngwala nomoro ya maleba sedikong se sengwe le se sengwe mo methalopalong ye.

a.



b.





Ke na le nomoro ya menotharo.



Mono wa mathomo ke 7, mono wo o latelago o feta 7 ka pedi, gomme mono wa mafelelo o fetwa ke 7 ka nne.

Ge o balela pele ka di-2 go tloga go nomoro ye, nomoro yeo e ka ba efe?

_____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 37 2014/07/02 9:47 AM

83

Letšatšikgwedi: .....

Go atiša:
di-2 le di-5 go fihla go 75



O ka araba tše di latelago ka lebelo le lekaakang?

1 × 2 = _____	2 × 5 = _____	10 × 2 = _____	7 × 2 = _____
8 × 2 = _____	5 × 2 = _____	8 × 5 = _____	4 × 5 = _____
5 × 5 = _____	6 × 5 = _____	3 × 2 = _____	7 × 5 = _____
6 × 2 = _____	9 × 5 = _____	3 × 5 = _____	4 × 2 = _____
10 × 5 = _____	5 × 2 = _____	1 × 5 = _____	9 × 5 = _____



Lebelela seo mogwera wa ka a se dirilego.

Se ahlaahle.

4 × 2 = 8

Mogwera wa ka o bontšhitše 4 × 2 ka tsela ye:

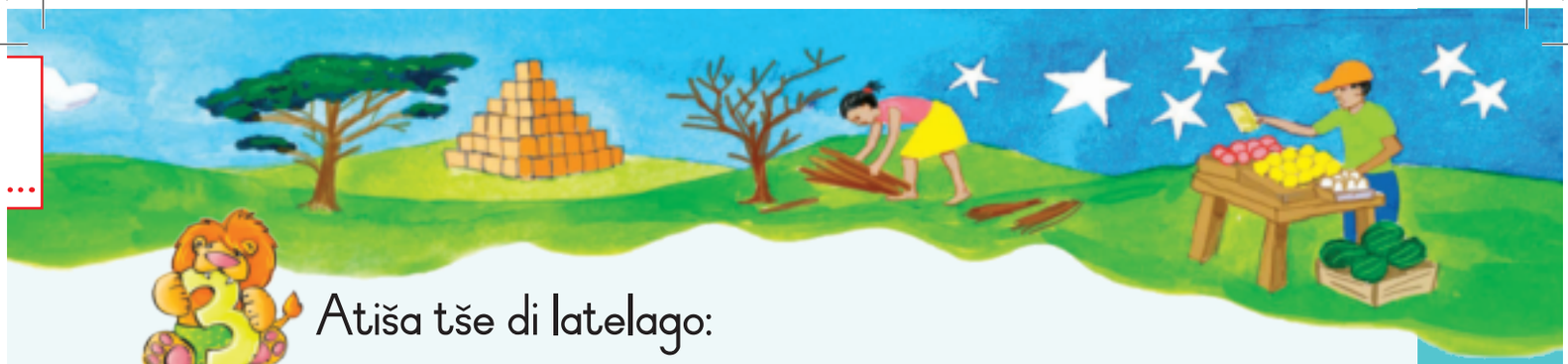
Go bala ka go taboga.	Dihlopha tša go lekana.	Go hlakantšha ga go bušeletšwa.	Mekgabišo	Dintlha
2, 4, 6, 8		2 + 2 + 2 + 2	xx xx xx xx	2 x 4 = 8 4 x 2 = 8 8 ÷ 4 = 2 8 ÷ 2 = 4

Bjale dira bjalo ka 4 × 5 = 20.

Go bala ka go taboga.	Dihlopha tša go lekana.	Go hlakantšha ga go bušeletšwa.	Mekgabišo	Dintlha

1 2 3 4 5 6 7 8 9 10

SEP MATHS G3 B2 9781431501526.indb 38 2014/07/02 9:47 AM



Atiša tše di latelago:

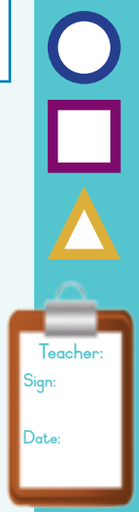
24 × 3 = (20 + 4) × 3 = (20 × 3) + (4 × 3) = 60 + 12 = 72	a. 13 × 3	b. 18 × 3
c. 12 × 5	d. 21 × 3	e. 14 × 3
f. 25 × 3	g. 12 × 3	h. 15 × 5



Rarolla tše di latelago:



Ke rekile malekere a 14 ka R3 le tee.
Mogwera wa ka o rekile malekere a 12 ka R5 le tee.
Re lefile palomoka ya bokae ya malekere?



11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 39 2014/07/02 9:47 AM

84

Letšatšikgwedi:

Go atiša:
di-3 go fihla go 75

Ke eng se se tlago ka di-3?
Maotwana a traesekele.



Ke maotwana a makae mo go
Traesekele e 1?
Ditraesekele tše 2?
Ditraesekele tše 3?
Ditraesekele tše 4?
Ditraesekele tše 5?
Ditraesekele tše 6?
Ditraesekele tše 7?
Ditraesekele tše 8?
Ditraesekele tše 9?
Ditraesekele tše 10?

Nyalanya palo le potšišo ya ka go la nngele:

$9 \times 3 = 27$
$7 \times 3 = 21$
$2 \times 3 = 6$
$4 \times 3 = 12$
$3 \times 3 = 9$
$5 \times 3 = 15$
$1 \times 3 = 3$
$10 \times 3 = 30$
$6 \times 3 = 18$
$8 \times 3 = 24$



Feleletša lenaneo.

Go hlopha	Go atiša	Go abagana	Go arola
Dihlopha tše 11 tša di 3	$11 \times 3 = 33$	Abaganya 33 magare ga 3	$33 \div 3 = 11$
Dihlopha tše 15 tša di 3		Abaganya 45 magare ga 3	
Dihlopha tše 25 tša di 3		Abaganya 60 magare ga 3	
Dihlopha tše 12 tša di 3		Abaganya 36 magare ga 3	



Feleletša lenaneo.

Go abagana	Go arola
Abaganya 37 magare ga 3	$37 \div 3 = 12$ go šala 1
Abaganya 74 magare ga 3	
Abaganya 49 magare ga 3	
Abaganya 68 magare ga 3	

SEP MATHS G3 B2 9781431501526.indb 40 2014/07/02 9:47 AM



Feleletša diswantšho tša go laetša tatelano ya ditiro.

go dira	molawana	poelo
10	× 3	
125		
14		
16		
22		

go dira	molawana	poelo
11	× 3	
11		
15		
23		
25		

go dira	molawana	poelo
18	÷ 3	
30		
36		
42		
75		

go dira	molawana	poelo
12	÷ 3	
63		
66		
69		
75		

Feleletša mananeo a a mo tlase:

×	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	3	6													

×	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4															

O hweditše bjang karabo ya gago mo dipolokong tše di khalarilwego ka botalalerata?

Rarolla tše di latelago:

Tšhelete ya go tsena e be e le R3 ngwana yo mongwe le yo mongwe.
Go tsene bana ba 23 ka phakeng.
Ba lefile bokae?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 41 2014/07/02 9:47 AM

85

Letšatšikgwedi:

Go atiša ka di-2, di-3 le di-4 go fihla go 75



O ka kgona go araba tše di latelago ka lebelo le lekaakang?

1 × 2 = _____	5 × 4 = _____	5 × 2 = _____	2 × 2 = _____
6 × 3 = _____	4 × 2 = _____	2 × 4 = _____	7 × 3 = _____
8 × 4 = _____	2 × 3 = _____	7 × 2 = _____	9 × 4 = _____
3 × 2 = _____	4 × 4 = _____	10 × 3 = _____	1 × 3 = _____
3 × 3 = _____	9 × 2 = _____	6 × 4 = _____	10 × 3 = _____



Lebelela seo mogwera wa ka a se dirilego.

Se ahlaahle. **5 × 2 = 10**

Ke thomile ka go laetša 5 × 2 ka mokgwa wo:

Go bala ka go taboga	Dihlopha tša go lekana	Go hlakantšha ga go buše letšwa	Mekgabišo	Dintlha
2, 4, _ _ _	_ _ _ _	2 + _ _ _ _	Mothalo wa tše 2 xx	2 x _ = _ 4 x _ = _ _ ÷ _ x = _ _ ÷ _ = _

Dira bjalo ka 8 × 3 = 24.

Go bala ka go taboga	Dihlopha tša go lekana	Go hlakantšha ga go buše letšwa	Mekgabišo	Dintlha

6 × 4 = 24.

Go bala ka go taboga	Dihlopha tša go lekana	Go hlakantšha ga go buše letšwa	Mekgabišo	Dintlha

1 2 3 4 5 6 7 8 9 10

SEP MATHS G3 B2 9781431501526.indb 42 2014/07/02 9:47 AM



Arola gomme o lekole karabo ya gago.

63 ÷ 3 = (60 + 3) ÷ 3 = (60 ÷ 3) + (3 ÷ 3) = 20 + 1 = 21	21 × 3 = (20 + 1) × 3 = (20 × 3) + (1 × 3) = 60 + 3 = 63
a. 48 ÷ 5	
b. 64 ÷ 5	

Rarolla tše di latelago:



Nna le bagwera ba ka re na le R63 ge e kopane.
Re nyaka go e abagana ka go lekana boraro bja rena.
Re tlile go hwetša bokae mongwe le mongwe?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 43 2014/07/02 9:47 AM

86

Letšatšikgwedi:

Dipatrone tša dinomoro: di-3 go fihla go 800



O ka bolela eng ka dinomoro tše di lego ka dipolokong tša mmala wa namune?

Bala ka di-3 go tloga go 703 go fihla go 799. Ke nomoro efe ye e tlago ka morago ga 745 ge o bala ka di-3?

Balela morago ka di-5 go thoma go 799 go fihla go 703. Ke nomoro efe ye e tlago pele ga 766 ge o balela morago?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Feleletša tatelano ya dinomoro.

703; 706; 709; ____; ____; ____	799; 796; 793; ____; ____; ____



Oketša ka 3 goba o fokotše ka 3.

a. 766 + 3 = 769

I. Oketša palo ye e filwego ka 3. Re, go diretše ya mathomo.

b. 766 ____	c. 783 ____	d. 756 ____	e. 713 ____	f. 790 ____

SEP MATHS G3 B2 9781431501526.indb 44 2014/07/02 9:47 AM



a. 766 – 3 = 763

2. Ntšha 3 go nomoro ye e filwego. Re go diretše ya mathomo.

b. 763 ____	c. 789 ____	d. 756 ____	e. 713 ____	f. 799 ____

3. Go direga eng ge o oketša ka tharo goba o fokotša ka tharo mo dinomorong tše tša mo godimo?

_____



Lebelela didiko tše talalerata mo go papetla ya dinomoro.

a. O lemoga eng ka ga dinomoro tše? _____

b. Oketša tatelano ya dinomoro tše di latelago:

704; 707; 710; ____; ____; ____

773; 776; 779; ____; ____; ____

779; 776; 773; ____; ____; ____

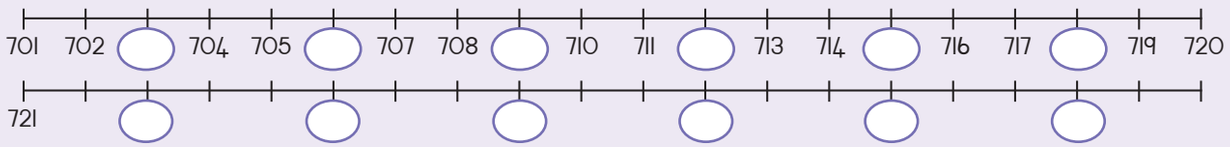
782; 785; 788; ____; ____; ____

779; 782; 785; ____; ____; ____

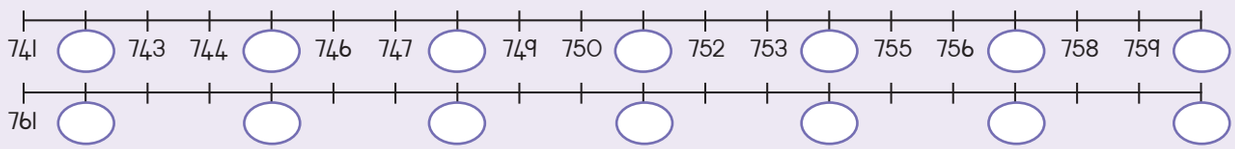


Ngwala nomoro ya maleba sedikong se sengwe le se sengwe mo methalopalong ye.

a.



b.





Ke na le nomoro ya menotharo:



Mono wa mathomo ke 7, mono wo o latelago o feta 7 ka pedi, gomme mono wa mafelelo o fetwa ke 7 ka šupa.

Bjale, balela pele ka di-3 go thoma go nomoro ye. O hwetša nomoro efe?

_____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 45 2014/07/02 9:47 AM

87

Letšatšikgwedi:

Go atiša:
di-4 go fihla go 75

Ke eng se se tlago ka di-4?

Maotwana a sefatanaga



Ke maotwana a makae mo go

Sefatanaga se 1?
Difatanaga tše 2?
Difatanaga tše 3?
Difatanaga tše 4?
Difatanaga tše 5?
Difatanaga tše 6?
Difatanaga tše 7?
Difatanaga tše 8?
Difatanaga tše 9?
Difatanaga tše 10?

Nyalanya palo le potšišo ya ka go la nngele:

9 × 4 = 36
7 × 4 = 28
2 × 4 = 8
4 × 4 = 16
3 × 4 = 12
5 × 4 = 20
1 × 4 = 4
10 × 4 = 40
6 × 4 = 24
8 × 4 = 32



Feleletša lenaneo.

Go arola	Go atiša	Go abagana	Go arola
Dihlopha tše 12 tša di 4	12 × 4 = 48	Abaganya 47 magare ga 4	48 ÷ 4 = 12
Dihlopha tše 16 tša di 4		Abaganya 64 magare ga 4	
Dihlopha tše 18 tša di 4		Abaganya 72 magare ga 4	
Dihlopha tše 15 tša di 4		Abaganya 60 magare ga 4	



Feleletša lenaneo.

Go abagana	Go arola
Abaganya 34 magare ga 4	35 ÷ 4 = 8 go šala 3
Abaganya 55 magare ga 4	
Abaganya 70 magare ga 4	
Abaganya 75 magare ga 4	

1 2 3 4 5 6 7 8 9 10

SEP MATHS G3 B2 9781431501526.indb 46 2014/07/02 9:47 AM



3 Feleletša diswantšho tša go laetša tatelano ya ditiro.

go dira | molawana | poelo

go dira	molawana	poelo
10	× 4	
11		
13		
15		
15		

go dira	molawana	poelo
9	× 4	
12		
16		
17		
18		

go dira	molawana	poelo
16	÷ 4	
32		
44		
60		
72		

go dira	molawana	poelo
40	÷ 4	
52		
56		
64		
68		

4 Feleletša mananeo a a mo tlase:

×	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4															

×	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4															

O hweditše bjang karabo ya gago mo dipolokong tše di khalarilwego ka botalalerata?

5 Rarolla tše di latelago:



Ke na le R75.
Nka reka diphuthelwana tše kae tša dimpho ka R4 sephuthelwana?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 47 2014/07/02 9:47 AM

88

Letšatšikgwedi:

Dipatrone tša dinomoro: di-4 go fihla go 800



O ka bolela eng ka dinomoro tše di lego ka dipolokong tša mmala wa namune?

Bala ka di-4 go tloga go 704 go fihla go 800. Ke nomoro efe ye e tlago ka morago ga 736?

Balela morago ka di-4 go thoma go 800 go fihla go 704. Ke nomoro efe ye e tlago pele ga 776 ge o balela morago?

701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800



Feleletša tatelano ya dinomoro.

704; 708; 712; ____; ____; ____	724; 728; 732; ____; ____; ____



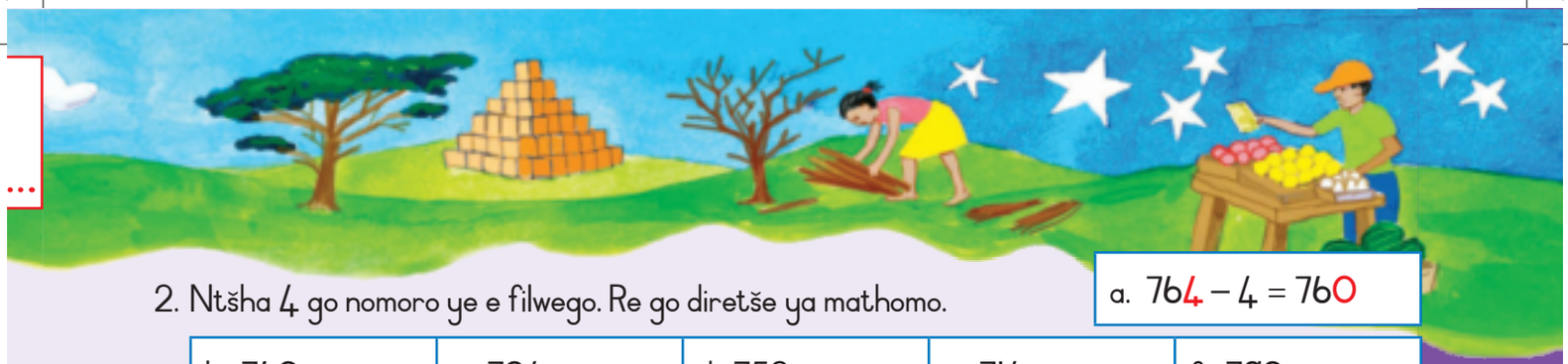
Oketša ka 4 goba o fokotše ka 4.

a. 764 + 4 = 768

I. Oketša nomoro ye e filwego ka 4. Re go diretše ya mathomo.

b. 764 ____	c. 788 ____	d. 754 ____	e. 718 ____	f. 794 ____

Sepedi G3 B2 Num Gr3-81-96.indd 48 2014/07/24 3:45 PM



2. Ntšha 4 go nomoro ye e filwego. Re go diretše ya mathomo.

a. 764 – 4 = 760

b. 768 ____	c. 784 ____	d. 752 ____	e. 714 ____	f. 798 ____

3. Go direga eng ge o oketša ka 4 goba o fokotša ka 4 mo dinomorong tše tša mo godimo?

_____



Lebelela didiko tše talalerata mo go papetla ya dinomoro.

a. O lemoga eng ka ga didiko tše? _____

b. Oketša tatelano ya dinomoro tše di latelago:

703; 707; 711; ____; ____; ____

773; 777; 781; ____; ____; ____

711; 715; 719; ____; ____; ____

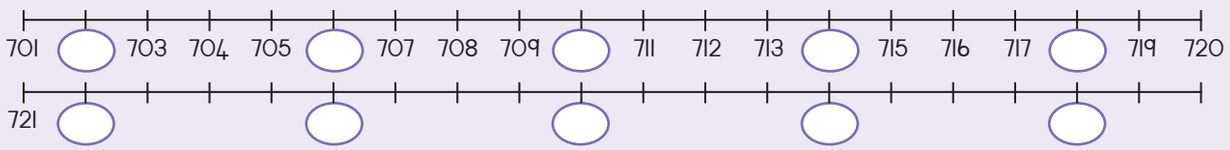
783; 779; 775; ____; ____; ____

799; 795; 791; ____; ____; ____

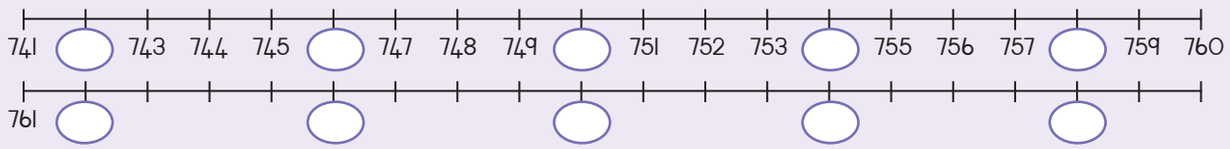


Ngwala nomoro ya maleba sedikong se sengwe le se sengwe mo methalopalong ye.

a.



b.





Ke na le nomoro ya menotharo.



Mono wa mathomo ke 7, mono wo o latelago o feta 7 ka 1, gomme mono wa mafelelo o fetwa ke 7 ka 3.

Ge o balela pele ka di-4 go tloga go nomoro ye.

Nomoro yeo e ka ba efe? _____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Sepedi G3 B2 Num Gr3-81-96.indd 49 2014/07/24 3:46 PM

89

Letšatšikgwedi:

Go atiša le go arola, ka di-2, di-3, di-4 go fihla go 75



O ka araba tše di latelago ka lebelo le lekaakang?

1 × 2 = _____	5 × 3 = _____	4 × 2 = _____	10 × 2 = _____
4 × 3 = _____	3 × 2 = _____	2 × 2 = _____	3 × 3 = _____
6 × 4 = _____	4 × 3 = _____	5 × 3 = _____	9 × 4 = _____
6 × 5 = _____	8 × 3 = _____	9 × 4 = _____	8 × 5 = _____
7 × 3 = _____	8 × 5 = _____	2 × 5 = _____	7 × 5 = _____



Khalara dipoloko tšeo palo ya gona e bago le mašalela.

12 ÷ 2 = 6	13 ÷ 3 = 4 maš 1	15 ÷ 5 = _____	18 ÷ 5 = _____
20 ÷ 4 = _____	23 ÷ 4 = _____	16 ÷ 3 = _____	18 ÷ 3 = _____
25 ÷ 2 = _____	24 ÷ 2 = _____	30 ÷ 2 = _____	29 ÷ 2 = _____
19 ÷ 3 = _____	17 ÷ 3 = _____	31 ÷ 5 = _____	30 ÷ 5 = _____
55 ÷ 5 = _____	52 ÷ 5 = _____	57 ÷ 3 = _____	60 ÷ 3 = _____



O tseba bjang gore palo e ka arolega ka:

- 3? Ge o hlakantšha meno,

  Mohlala. 72, 7 + 2 = 9 gomme o ka e arola ka 3. Nomoro ye e arolega ka 3.

- 2? _____
- 5? _____

SEP MATHS G3 B2 9781431501526.indb 50 2014/07/02 9:47 AM



Arola gomme o lekole karabo ya gago.

65 ÷ 3 = (60 + 5) ÷ 3 = (60 ÷ 3) + (5 ÷ 3) = 20 + 1 maš 2 = 21 maš 2	21 × 3 + 2 = (20 + 1) × 3 + 2 = (20 × 3) + (1 × 3) + 2 = 60 + 3 + 2 = 65
a. 49 ÷ 5	
b. 65 ÷ 5	

Rarolla tše di latelago:



O swanetše go yo dira dinyakišišo.
O tseba bjang gore palo e ka arolega ka 4?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 51 2014/07/02 9:47 AM

90

Letšatšikgwedi:

Di-eng tša dilo tša mahlakoretharo



Lebelela diswantšho.

Bolela ka ga mabokagodimo a dilo, o šomiša mantšu a go swana le bopapetla le modikelela..

Dibolo	Mapokisi	Silintere	Diphiramiti	Dikhounu
				



Lebelela diswantšho gomme o feleletše mafoko le dipotšišo.



a. Bolo _____.



b. Ke ka lebaka la eng bolo e sa relele?

_____



c. Silintere _____.



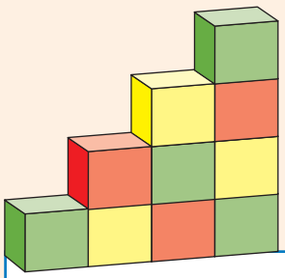
d. Na silintere le yona e ka relela?

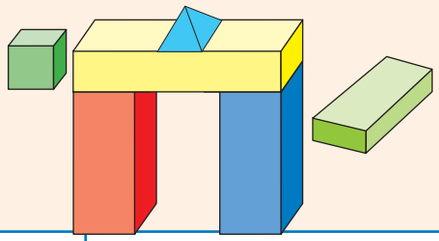
_____

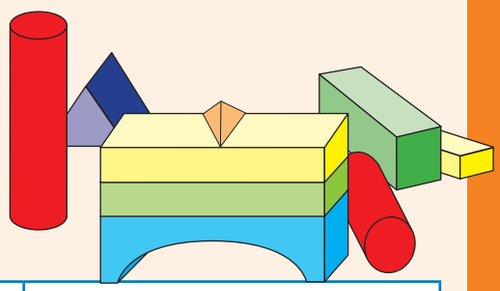
SEP MATHS G3 B2 9781431501526.indb 52 2014/07/02 9:47 AM

Bolela dilo tše di šomišwago seswantšhong se sengwe le se sengwe.

O swanelwa fela ke go bolela selo se sengwe gatee. Bolela ge eba selo seo se ka kgokologa goba sa thedimoga.







Bolela ge eba dinomoro tša mahlakoretharo di na le bokagodimo bja bopapetla goba bja modikelela.

Thala tše di latelago:

Lepokisi le le lekanetšego godimo ga silintere.	Bolo ye e lekanetšego godimo ga silintere.	Silintere se se lekanetšego godimo ga lepokisi.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

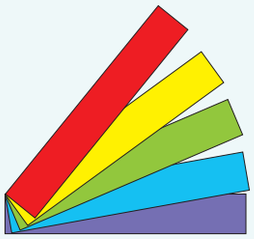
SEP MATHS G3 B2 9781431501526.indb 53 2014/07/02 9:47 AM

91

Letšatšikgwedi:

Dipalophatlo tša diripana tša didirišwa

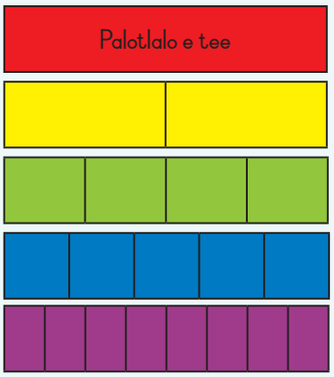
Materiale: diripana tše 5 tša pampiri ka mebala ya go fapana, Sekero, Diphensele goba Dikrayone.





Dira sedirišwa

Papetlasegwa ya 5



Godimo ga seripana se tee ngwala mantšu a. "Palotlalo e tee"

Tšea seripana se sengwe o se mene ka tlhokomelo, se be seripagare. Ka morago o se bule. O na le dikarolo tše kae tša go lekana? Ngwala $\frac{1}{2}$ godimo ga seriapagare se sengwe le se sengwe gomme o sege go latela mameno. Tšea seripana sa boraro gomme o se mene se be seripagare, ka morago o se mene gore se be seripagare. Se bule. O na le dikarolo tše kae tša go lekana? Ngwala $\frac{1}{4}$ go lemeno le lengwe le le lengwe la bone gomme o sege go latela mameno. Bjale leka go dira mesetho ye mengwe ye mene, o tee o laetša dihlano, gomme wo mongwe diseswai.



Šomiša palophatlo ya diripana tša sedirišwa gore se go thuše go araba dipotšišo.



Ke diteeseswaing tše kae tšeo di dirago palotlalo? ☐



Ke diteeseswaing tše kae tšeo di dirago palotlalo? ☐

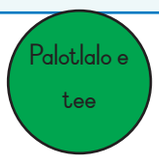


Dipalophatlo mo go mothalopalo.

Seripana se laetša palotlalo e tee.

Palotlalo e tee

Sediko se bontšha palotlalo

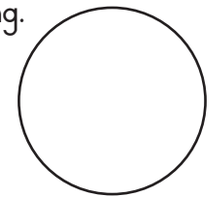


Arola seripana ka diteetharong.

Khalara teetharong.

Arola sediko ka diteetharong.

Khalara teetharong e tee.

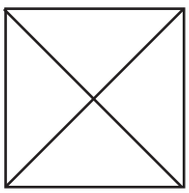
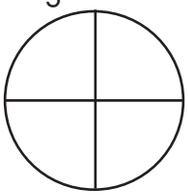
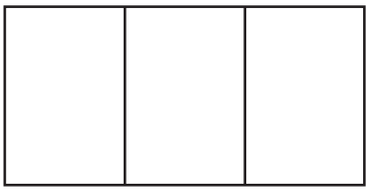
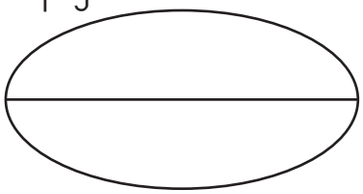
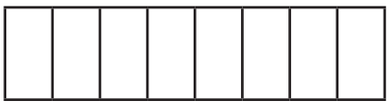




SEP MATHS G3 B2 9781431501526.indb 54 2014/07/02 9:47 AM



4 Bjale khalara tše di latelago.

Seripagare se tee 	Tharonneng 	Peditharong 
Nnehlanong 	Seripagare se tee 	Tharonneng 

5 Thala tše di latelago:

Tharonneng o šomiša sekwere.	Seripagare se tee o šomiša sediko.	Peditharong o šomiša khutlotharo.
Nnehlanong	Dinneseswaing o šomiša sekwere.	Teetharong o šomiša khutlonnethwi.

6 Lokiša didirišwa tša gago.



- Sega se sengwe le se sengwe sa didiko tše 6 mo go Sesegwa sa 6.
- Sega tše hlano tša didiko e be diripana go bapa le methalo.
- Phara setlankana godimo ga seripana se sengwe le se sengwe:
  - Ka lehlakoreng le tee ngwala palophatlo ya palotlalo ya iri.
  - Ka lehlakoreng le lengwe ngwala palo ya metsotso mo go palophatlo yeo.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 55 2014/07/02 9:47 AM

Letšatšikgwedi:

Dipalophatlo go tšwela pele



Ngwala Ee goba Aowa.



- Seripagare ke seripagare sa palotlalo _____
- Seripagare sa seripagare ke kotara _____
- Kotara ke seripagare sa seripagare _____
- Seripagare le dikotara tše pedi di dira palotlalo _____
- Seripagare le kotara di dira tharonneng _____



Abaganang phaye.



Reabetšwe, Phuki, Rati le Lisa ba abagana phaye e tee.

a. Reabetšwe: "Ke swerwe ke tlala! Ke nyaka seripagare"





Thala karolo ya Reabetšwe.

b. Phuki: "Go lokile! Nna ke tla tšea kotara."





Thala karolo ya Reabetšwe le ya Phuki.

c. Rati: "Ke tla tšea seripagare sa seo se šetšego."





Thala karolo ya Reabetšwe, ya Phuki le ya Rati.

d. Lisa: "Ke phaye ye kaakang ye e šaletšego nna?"





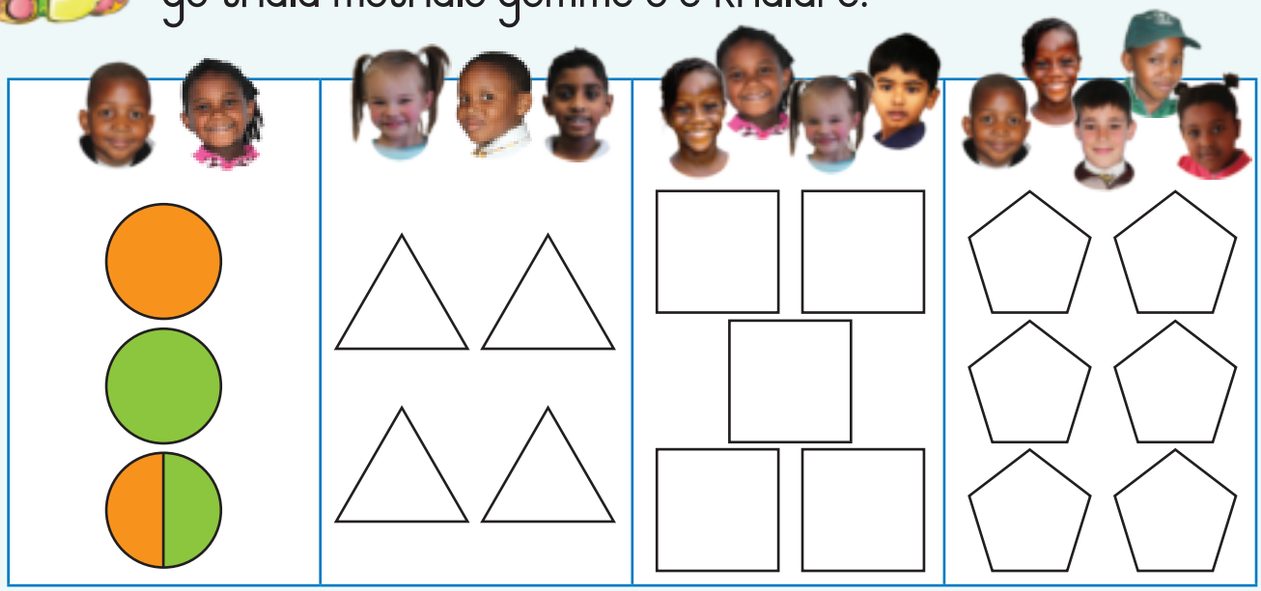
Thala dikarolo ka moka tša phaye.

SEP MATHS G3 B2 9781431501526.indb 56 2014/07/02 9:48 AM



3

Abaganya dibopego magare ga bana ka go thala mothalo gomme o e khalare.



4

Bagwera ba 4 ba abagana dikotana tša malekere tše 5 ka go lekana.

Yo mongwe le yo mongwe o tla hwetša tše kae?

Karabo ke eng?

_____

Dinomoro ke dife?

_____

Thala seswantšho.

Bagwera ba batshela ba abagana dikotana tša malekere tše 9 ka go lekana

Yo mongwe le yo mongwe o tla hwetša tše kae?

Karabo ke eng?

_____

Dinomoro ke dife?

_____

Thala seswantšho.



11 12 13 14 15 16 17 18 19 20

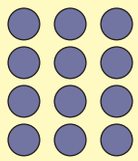
SEP MATHS G3 B2 9781431501526.indb 57 2014/07/02 9:48 AM

93

Letšatšikgwedi:

Go abagana go tliša dipalophatlo

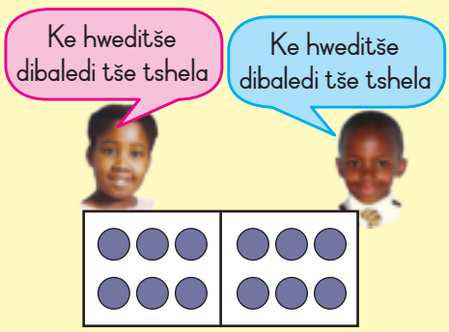
Dibaledi tše 12 šedi.



Re bagwera ba babedi. Re na le setšhelo se tee fela se se arotšwego ka bogare.



Re abagana dibaledi tše lesomepedi magareng ga bobedi bja rena.





Thala seswantšho sa tše di latelago gomme o arabe dipotšišo.

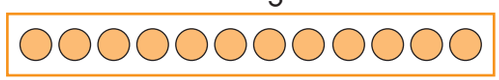
Dibolo tše senyane di aroletšwe bagwera ba bararo.





- Mosetsana yo mongwe le yo mongwe o tla hwetša dibolo tše kae? ☐
- Mosetsana yo mongwe le yo mongwe o tlile go hwetša palophatlo efe? ☐

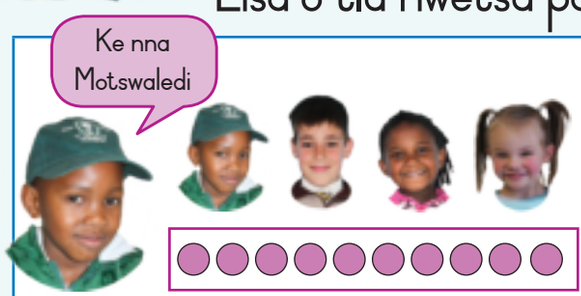
Dibolo tše lesomepedi di aroletšwe bagwera ba bane. Ba bararo ba bagwera ke bašemane.



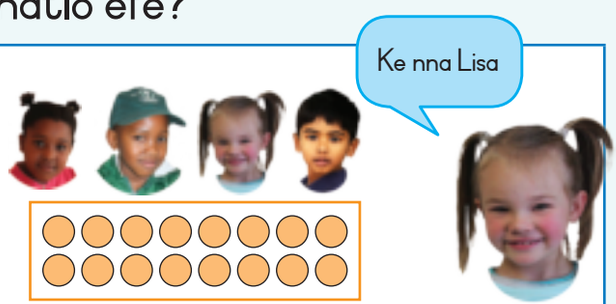
- Mosetsana yo mongwe le yo mongwe o tla hwetša dibolo tše kae? ☐
- Mošemane yo mongwe le yo mongwe o tlile go hwetša palophatlo efe? ☐



Motswaledi o tla hwetša palophatlo efe? Lisa o tla hwetša palophatlo efe?

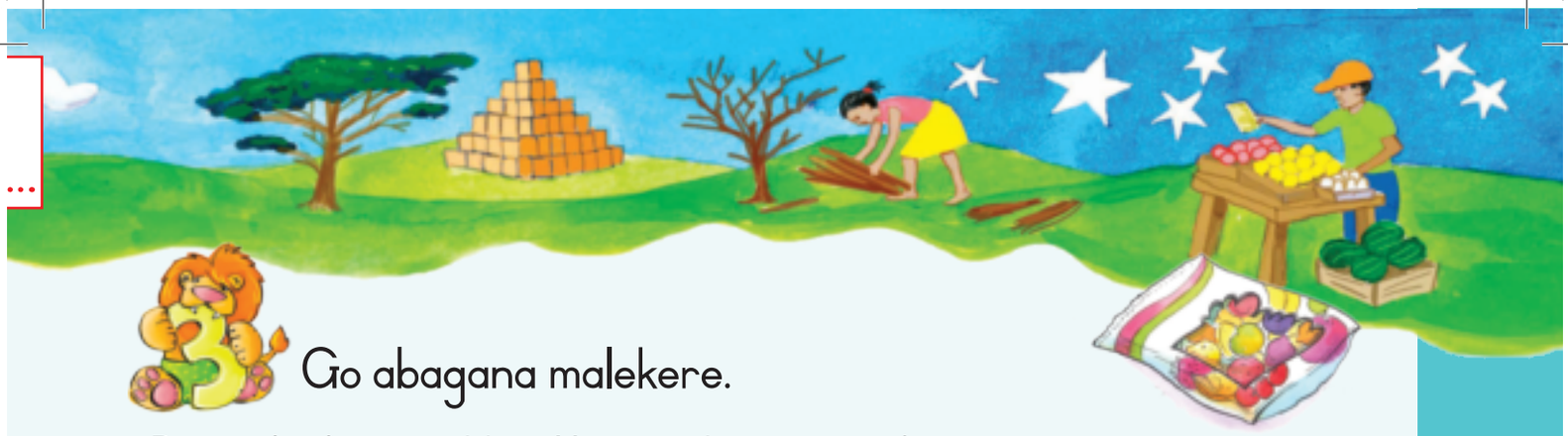


- Motswaledi le Lisa ba tla hwetša dibolo tše kae?



- Motswaledi le Lisa ba tla hwetša dibolo tše kae?

SEP MATHS G3 B2 9781431501526.indb 58 2014/07/02 9:48 AM



Go abagana malekere.

Bagwera ba abagana malekere. Yo mongwe le yo mongwe o hwetša seripagare sa sephuthelwana $\frac{1}{2}$ (seripagare).

a. Ba swanetše go abagana diphuthelwana tše kae:

Bagwera ba 4 _____ Bagwera ba 6 _____ Bagwera ba 9 _____

b. Go tla abagana bagwera ba bakae?

Diphuthelwana tše 4? _____ Diphuthelwana tše 10? _____

Diphuthelwana tše $3\frac{1}{2}$ _____

Dikhethe tša go bina.

Bomma le bokoko ba roka dikhethe tša go bina.

Ba swanetše go hwetša dimetara tše kae tša mašela a sekhethe se tee $2\frac{1}{2}$

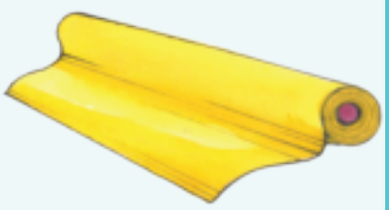
Lešela le bitša R6 metara.



a. Ba tla roka dikhethe tše kae?

5 m _____ 10 m _____

20 m _____ 25 m _____



b. Ba swanetše go hwetša lešela le lekaakang go roka:

Dikhethe tše 2 _____ Dikhethe tše 3 _____ Dikhethe tše 4 _____

c. Lešela le ja bokae go roka:

Sekhethe se 1 _____ Dikhethe tše 2 _____ Dikhethe tše 3 _____

d. Ba ka dira dikhethe tše kae ka:

R450 _____ R825 _____ R180 _____.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 59 2014/07/02 9:48 AM

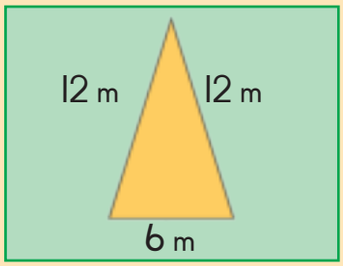


94

Letšatšikgwedi:

Bokgole go dikologa

Lentšu le modiko/parametha le ra botelele goba bokgole go dikologa selo.



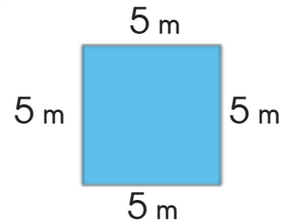
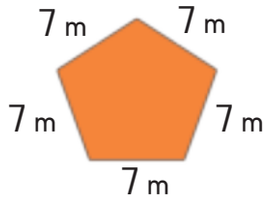
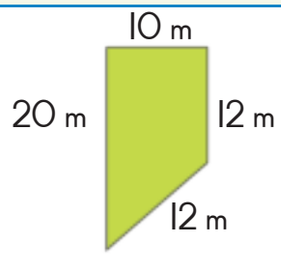
Rapolasa o na le poloto ya sebopego sa khutlotharo.

Re ka hwetša modiko wa poloto ka go hlakantšha botelele bja mathoko.

Perimetha/modiko = 12 m + 12 m + 6 m = 30 m



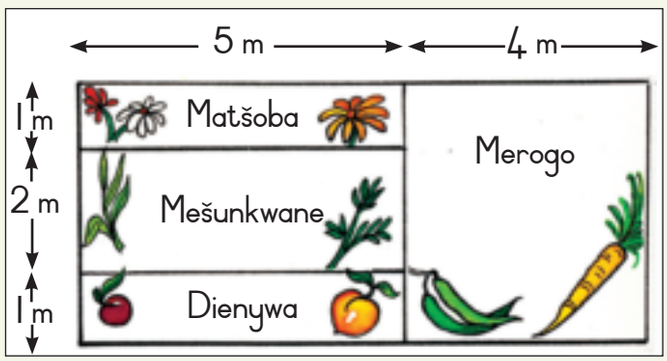
Hwetša mediko ya tše di latelago.



Serapana sa Veronica.

Veronica o thala seswantšho sa serapana se a nyakago go bjala go sona.



a. Modiko wa area mo a nyakago go bjala mešunkwane ya gagwe ke bokae? _____

b. Ke dikarolo dife tšeo mediko ya tšona e lekanago? Modiko wa tšona ke bokae?

_____ le _____ di na le modiko wa dimetara tše _____ m.

c. O swanetše go ba le legora go dikologa serapana ka moka. Go dira legora ke R50 metara o tee. Legora le tla bitša bokae? _____

SEP MATHS G3 B2 9781431501526.indb 60 2014/07/02 9:48 AM





Rulaganya serapana sa gago.

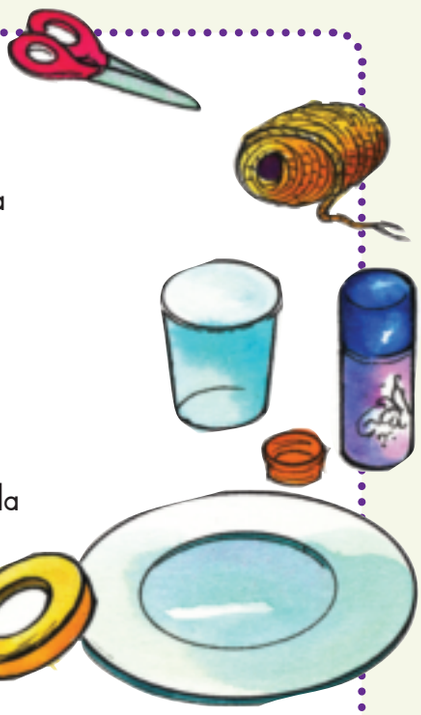
Šomiša pampiri ya kriti go tšwa go Sesegwa sa 7 go rulaganya serapana sa gago. Laetša bogolo ka moka le dibjalwa tšeo o nyakago go di bjala.



Didiko tša go meta.

Šoma le molekane.

Dimateriale: Dilo tše 10 tša kgokolo tša bogolo bja go fapana bjalo ka poleiti, galase, theipi ya go mamaretša, sekhurumelo sa lepotlelo, thapo le sekero.



1. Kgetha se tee sa dilo tša ntikodiko gomme o mete ka lenti.
2. Ripa botelele bja lenti, botelele bjo bo lekanago go dikologa selo.
3. Bjale tšea thapo yona yela gomme o e ngange, e putle bokagodimo bja sediko. Bala, o lebelele gore e lekana go putla gakae.
4. Dira bjalo ka dilo tša ntikodiko.
5. Ngwala gore o lemoga eng.

Botelele go dikologa ntikodiko bo bitšwa sedika.	
Bokgole go putla sediko bo bitšwa molagare.	



11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 61 2014/07/02 9:48 AM

95a

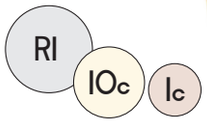
Letšatšikgwedi:

Go gweba ka tšhelete

Raloka dipapadi tše le mogwera wa gago.

Materiale:







RIOO	RIO	RI	IOc	Ic

Papetla ya tšhelete (Sesegwa sa 9), pampiri phensele, mataese a mabedi, tšhelete ya go raloka (go tšwa go sesegwa sa RIO: RIOO le RIO tša pampiri, RI, IOc le Ic: dikhoine.

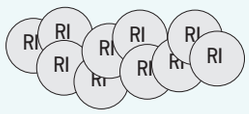
Bea papetla ya tšhelete godimo ga tafola.

Papetla e na le dikarolo tše 5, go tšwa go la nngele go ya go la mmagoja.
RIOO, RIO, RI, disente tše IO le sente e I. Mo go papadi ye, re šomiša fela dikholomo tše 3 tša mathomo.



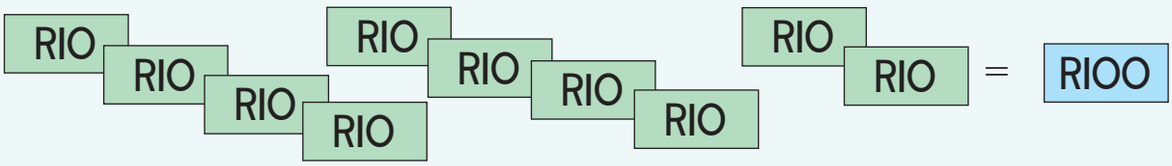
Hlakantšha go fihla go RIOO.

1. Moraloki yo mongwe le yo mongwe o hwetša sebaka sa go kgokološa letaese. Hlakantšha dipalo tše pedi.
2. Tšea palo yela ya diranta tša dikhoine o di bee karolong ya diranta mo go papetla.
3. Ge o na le RI ya dikhoine o swanetše go gweba ka tšona gore o hwetše RIO ya pampiri.



= RIO

4. Yo e lego wa mathomo go hwetša RIO ya pampiri gomme a gweba ka tšona gore a hwetše RIOO ya pampiri, ke yena mofenyi.



5. Dikotlo: Ge moraloki a feditše nako ya gagwe ya go raloka gomme a lebala go gweba ka RIO ya dikhoine gore a hwetše RIO ya pampiri gomme moraloki yo mongwe a lemoga phošo yeo, kotlo ke RI. Ge moraloki a ka lebala go gweba ka RIO ya pampiri gore a hwetše RIOO ya pampiri, o swanetše go lefa moraloki yo mongwe yoo ka RIOO.

SEP MATHS G3 B2 9781431501526.indb 62 2014/07/02 9:48 AM



Ntšha go tloga go RIOO go fihla go RO.

Raloka yona thaloko yeo, fela o thome ka RIO ya pampiri, gomme o ntšhe tšhelete ye e lekanago le palo ya dinomoro tše di lego mo letaeseng. Moraloki yo a fihlago go RO ke yena mofenyi.

RIOO	RIO	RI	IOc	Ic



Go hlakantšha le go ntšha go fihla go RI OOO.

Hlakantšha palo ye e lego mo letaeseng ka makga ka moka, gomme o tšee palo ya di RIO tša pampiri. Wa mathomo wa go fihlelela RI OOO ke yena mofenyi. Goba thoma ka RI OOO, gomme lekgeng le lengwe le lengwe ntšhe. Moraloki wa mathomo go fihlela RO o ba mofenyi.



Go hlakantšha go fihla go RI.

Raloka go swana le mo papading ya mathomo, ka ntle le gore bjale ge o kgokološa letaese gomme wa hwetša palo tšea palo ya letaese ka di Ic tša dikhoine, ge o na le disente tše IO tša dikhoine di tšhentšhe o tšee IOc ya khoine. Wa mathomo yo a ka tšhentšhago di IOc tše IO tša dikhoine a hwetša Khoine ya RI ke mofenyi.



Ntšha disente.

Thoma ka RI, gomme o ntšhe papading ye nngwe le ye nngwe. Wa mathomo wa go hwetša Oc ke mofenyi.



11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 63 2014/07/02 9:48 AM

95b

Letšatšikgwedi: .....

A re ye mabenkeleng!



Go rekišwa dikuane ka thekotlase!

Lebenkele le rekiša dikuane ka ditheko tše 5 tša go fapana.





							Dipalomoka
Kuane a 	R20	R20	R20	R20	R20	R20	RI20
Kuane b 	R25	R25	R25	R25	R25	R25	
Kuane c 	R50	R50	R50	R50	R50	R50	
Kuane d 	R75	R75	R75	R75	R75	R75	
Kuane e 	RIOO	RIOO	RIOO	RIOO	RIOO	RIOO	

a. Hwetša poreisi ya dikuane mothalong wo mongwe le wo mongwe.

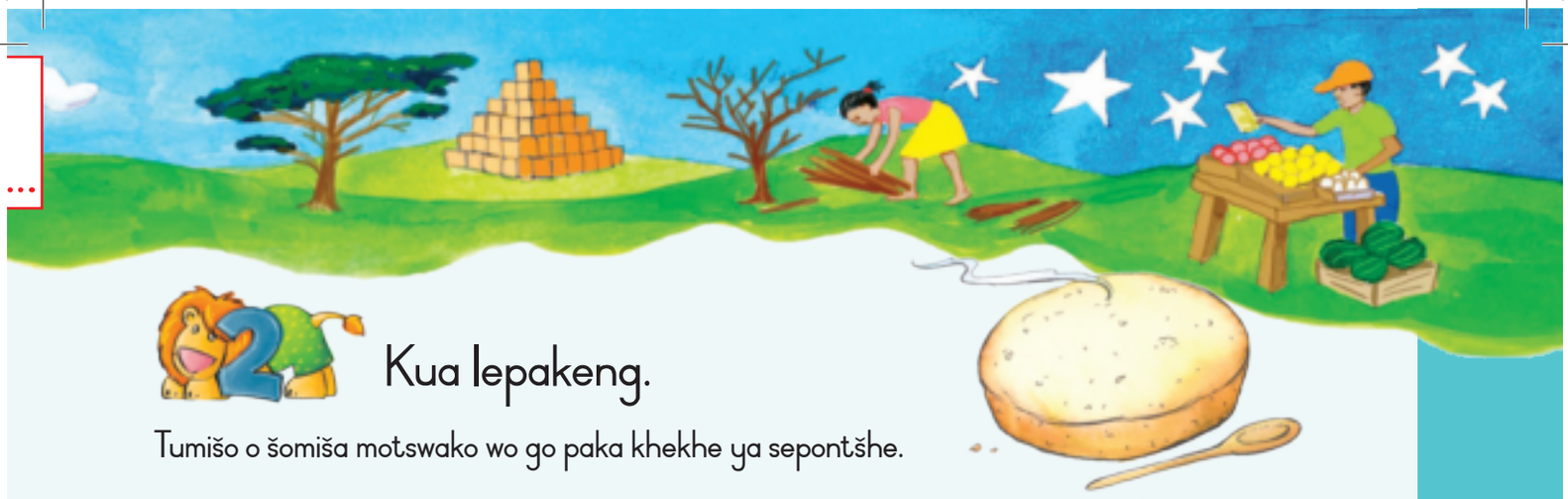
b. Motswaledi o reka e I mohuteng wo mongwe le wo mongwe wa dikuane. O di lefela bokae ge di kopane? _____

c. Boati o šomiša R450 ka moka. O reka kuane e tee ka RIOO.
O reka dikuane dife tše dingwe? Bontšha dikarabo tše pedi tše di kgonagalago.

Lekola!
Bapetša!
Lokiša!

Karabo I	Karabo 2

SEP MATHS G3 B2 9781431501526.indb 64 2014/07/02 9:48 AM



Kua lepakeng.

Tumišo o šomiša motswako wo go paka khekhe ya sepontšhe.

Motswako wa khekhe ya sepontšhe

Motswako wa khekhe: 40 g ya folouru ya go ikokomogela; 3 mae; 50 g aesing šuka

Tša go tsenywa gare

a. Hwetša gore Tumišo o swanetše go ba le dilo tše kaakang gore a pake dikhekhe tše 6.

Khekhe	Folouru	Mae	Swikiri	Khirimi
1	40 g	3	50 g	140 ml
2				
3				
4				
5				
6				

b. Swaya karabo ya maleba ka (✓).

Litara e 1 ya khirimi e ka lekana dikhekhe tše ka bago tše: dikhekhe tše 10; dikhekhe tše 7; dikhekhe tše 8.





Dipalo tša ka pela.

Lekola!
Bapetša!
Lokiša!

10 × 7 =	10 × 70 =	5 × 7 =	5 × 70 =	70 × 2 =
12 × 4 =	12 × 8 =	6 × 16 =	5 × 9 =	50 × 9 =
15 × 3 =	15 × 6 =	10 × 4 =	8 × 4 =	18 × 4 =

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 65 2014/07/02 9:48 AM

96

Letšatšikgwedi:

Tše dingwe gape ka ga difiwa



Seteišene sa maphodisa.

Maphodisa a mahlano a dira mešomo ya go fapana. Bjale ba kae maphodiša?

	Ba teskeng	Ba a patrola	Ba ka kgorong ya tsheko
Serufe			×
Maria	×		
Sam	×		
Amos		×	
Dudu			×

Ngwala maina a bao ba: Lego teskeng. _____

Patrolang. _____

Lego ka kgorong ya tsheko. _____



Yo a lego makhutšo.



Dikolo tše hlano di phadišana go bona gore ke sefe seo se ka bjalago mehlare ye mentšintši ka letšatši la go bjala mehlare.  = 10 mehlare

Makgoka	
Thune	
Lehlabile	
Sehlomola	
Mankweng	

Dikolo di bjetše mehlare ye mekae ge di hlakane?

Mankweng	Lehlabile	Makgoka	Sehlomola	Thune

Dikolo di bjetše mehlare ye mekae ge di hlakane? _____

SEP MATHS G3 B2 9781431501526.indb 66 2014/07/02 9:48 AM





Tlhaka ya mohuta mang?

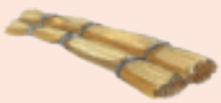
Ba Mphato wa 3 ba dira dinyakišišo kua motseng wa bobona.

Ba nyaka go bona gore go na le mehuta ye mekae ya ditlhaka mo dintlong tša go fapana.

Ba laetša dipoelo tša bona mo polokong ya dikrafo.



Ba thala leswao (✓) ntlong ye nngwe le ye nngwe yeo ba e bonago.







Dithaele	✓	✓	✓	✓	✓	✓					
Tlhaka ya bjang	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dikota	✓	✓	✓	✓	✓	✓	✓	✓			
Masenke	✓	✓	✓	✓	✓	✓	✓	✓	✓		

O bone mehuta ye mekae ya ditlhaka?

Dithaele _____ Tlhaka ya bjang _____ Dikota _____ Masenke _____

Ke mohuta ofe wa tlhaka wo o rategago kudu? _____

Ba bala ditlhaka tše kae ge di hlakana? _____



Bogolo bja dikuane.

Bašemane sekolong sa Thune ba rwala dikuane tša sekolo.
Dikuane di tla ka bogolo bja 2, 3 le 4.



2	2	3	2	3	4	4	3	2	3	2	3
4	2	2	3	3	3	2	2	2	3	4	4
2	3	2	3	4	2	4	4	3	4	2	2
2	2	3	3	3	4	2	2	2	3	3	4
4	2	2	2	3	4	2	4	4	3	2	

Bala gore ke barutwana ba bakae bao ba rwalago kuane ya bogolo bjo bongwe le bjo bongwe.

2 _____ 3 _____ 4 _____

Ke kuane efe ye e rategago kudu? _____

Lekola!
Bapetša! Lokiša!

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 67 2014/07/02 9:48 AM

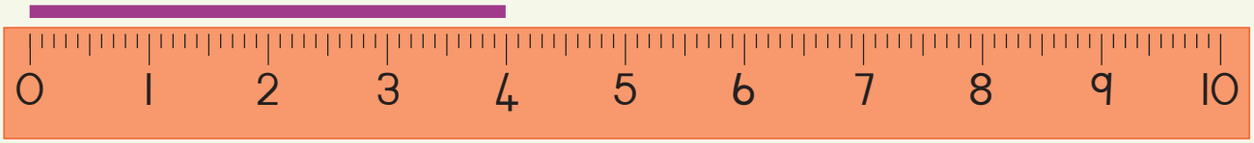
97

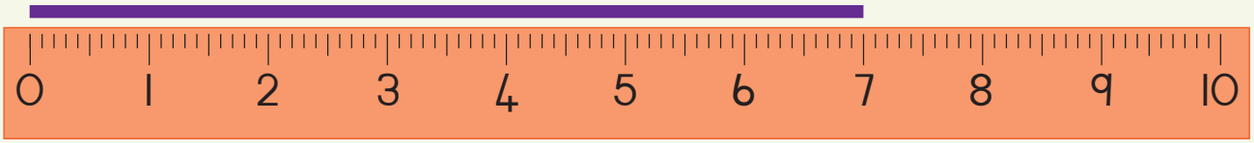
Letšatšikgwedi:

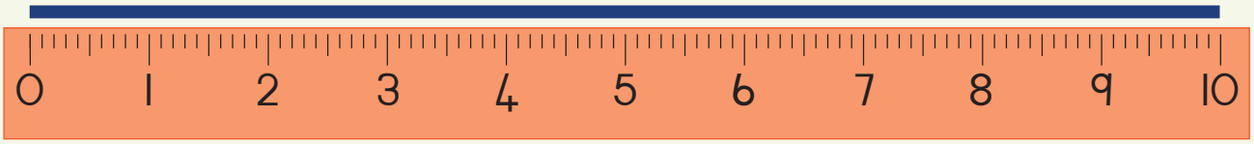
Go šoma ka dikilometara



Mothalo wo o khalarilwego ke wo mokae ka botelele?









Thoma ka go akanya ka morago o mete methalo. Feleletša lenaneo.

Mothalo	Go akanya	Go kala	Phapano magareng ga go akanya le go kala

SEP MATHS G3 B2 9781431501526.indb 68 2014/07/02 9:48 AM



3 Šomiša rula go thala methalo ye e latelago.

a. 10 cm

b. 7 cm

c. 15 cm

4 Bolela ge eba o tla lekanya tše di latelago ka dimetara goba ka di sentimetara.

a. Botelele bja puku _____

b. Botelele bja lebati _____

c. Botelele bja phensele _____

d. Botelele bja gago _____

e. Botelele bja monwana wa gago _____

Gopola mantšu a makopana (dikhutsofatšo) ao re a šomišago go ngwala sentimetara (cm), le metara (m).

5 Mo ngwageng o šomišitše diphensele tša gago tša go khalara. Botelele bja diphensele tša gago e be e le disentimetara tše 15 pele o di šomiša.

Ka morago ga ge o e šomišitše, phensele ya gago ye khubedu, botelele bja yona ke disentimetara tše 7, ye talalerata tše 5, ye talamorogo tše 6, ye serolane tše 11, ye phepholo tše 12, ya mmala wa namune tše 9, ye tsotho tše 14, ye ntsho tše 8, ye pinki tše 13, gomme ye tšhweu, tše 15.



a. Ke phensele efe ye o e šomišitšego go feta? _____

b. Ke phensele efe ye o e šomišitšego gannyane? _____

c. Ngwala botelele bja diphensele tša gago go tloga go ye kopana go feta, go ya go ye telele go feta? _____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 69 2014/07/02 9:48 AM

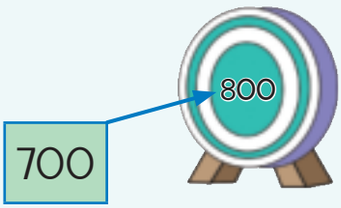
98

Letšatšikgwedi:

Dinomoro 700 go fihla go 800



Bala o be o ngwale.



a. Šomiša papetla ye e latelago go go thuša go bala go tloga go 700 go fihla go 800. Balela dinomoro godimo ge o dutše o bala

701			704						710
							718		
	722								
					736				
741								749	
							758		
		773							
							788		790
	792			795					800

b. Ngwala dinomoro tše di tlogetšwego mo go kriti ya mo godimo.

c. Ngwala dinomoro tše 10 tšeo di tlago ka morago ga 750.

750; ____; ____; ____; ____; ____; ____; ____; ____; ____; ____

d. Ngwala dinomoro tše 8 tše di latelago mo patroneng ya di-2.

762; 764; 766; ____; ____; ____; ____; ____; ____; ____; ____

e. Ngwala dinomoro ka moka mo patroneng ya di-2 go tloga go 751 go fihla go 773.

751; ____; ____; ____; ____; ____; ____; ____; ____; ____; ____ 773

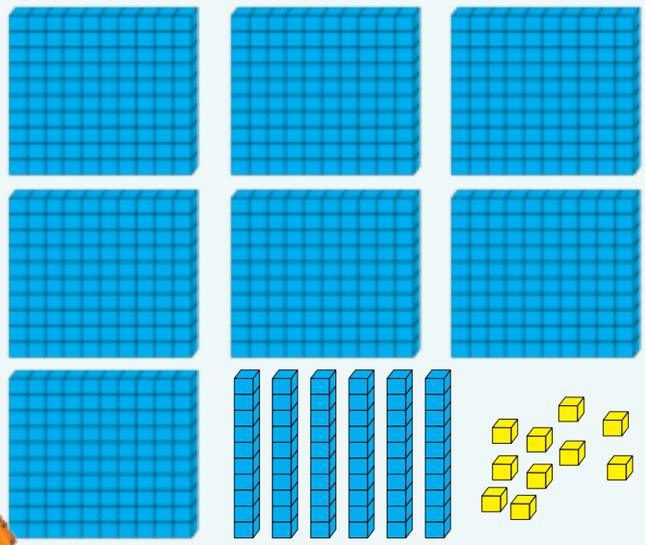
f. Ngwala dinomoro tše 8 tše di latelago mo patroneng ya di-5.

751; 756; 761; ____; ____; ____; ____; ____; ____; ____; ____

SEP MATHS G3 B2 9781431501526.indb 70 2014/07/02 9:48 AM



2 O bala dipoloko tše kae?



O badile dipoloko bjang?

3 Feleletša methalopalo.

750			753				757		759	
							789	786	788	
					753	756	759			

4 Feleletša lenaneo.

	Ngwala go tloga go ye nnyane go feta go fihla go ye kgolo go feta	Ngwala go tloga go ye kgolo go feta go fihla go ye nnyane go feta
776, 772, 779, 770, 778		
736, 703, 730, 713, 703		

5 Ngwala nomoro ye e latelago ka mantšu.

788	

Teacher:
Sign:
Date:

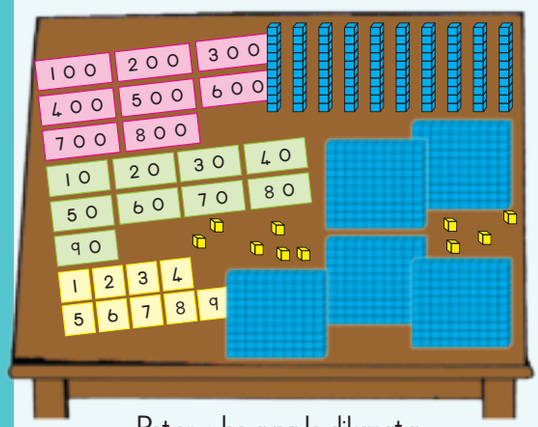
11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 71 2014/07/02 9:48 AM

99

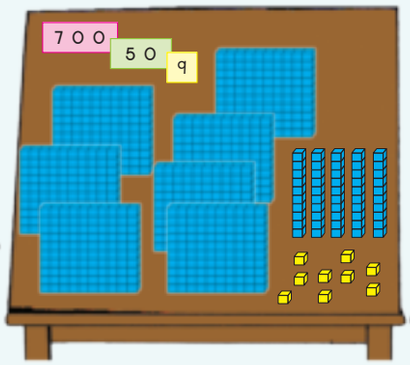
Letšatšikgwedi:

Dinomoro tše di oketšegilego: 700 go fihla go 800

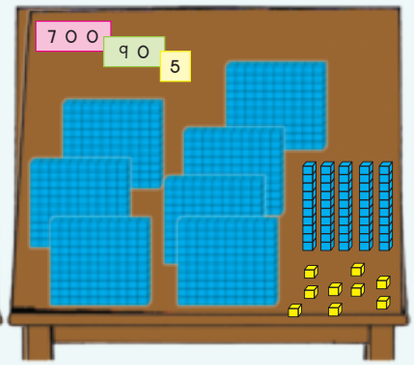


Peter o be a na le dikarata tša kemapalo ye e latelago, le dipoloko tša matheo tša 10.

Morutiši o kgopela Peter gore a laetše 759 ka dikarata le dipoloko tša gagwe.

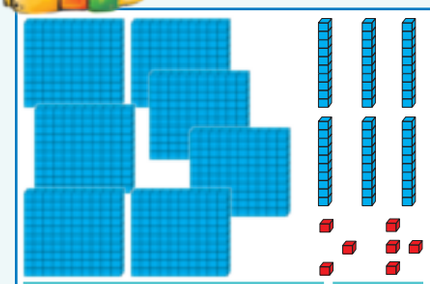


Se ke se Ben a se laeditšego. O šaeditše eng?





Ngwala lefokopalo, ka morago o ngwale karabo.



700 + 60 + 7 = 767		



Ngwala lefokopalo, ka morago o ngwale karabo.

700 + 90 + 9 =		

SEP MATHS G3 B2 9781431501526.indb 72 2014/07/02 9:48 AM



Feleletša mothalopalo.

789	790	791								799

Ngwala dinomoro ka moka tše di lego tše nnyane go 795. _____

Ngwala dinomoro ka moka tše di fetago 795. _____

Ngwala < goba > goba =

a. 799 _____ 766 b. 745 _____ 750

c. 700 + 90 + 7 _____ 767

Aroganya nomoro ya gago.

a. Aga nomoro ye nngwe le ye nngwe ka dikarata tša gago.

b. Ngwala boleng bja mono wo mongwe le wo mongwe. Bjale, dira tše: Aroganya nomoro ya gago.

790	
689	
699	
755	
690	

Mohlala: 799

700	
90	
9	
799	700 + 90 + 9

Ngwala mainapalo.

668	
757	
799	
742	
691	

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 73 2014/07/02 9:48 AM

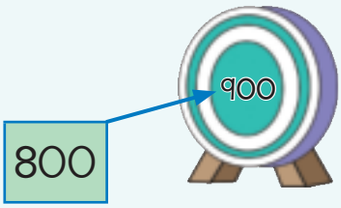
100

Letšatšikgwedi:

Dinomoro: 800 go fihla go 900



Bala, gape o ngwale.



a. Balela pele go tloga go 800 go fihla go 900.
Balela dinomoro ge o dutše o tšwela pele.

801			804						810
							818		
	822								
					836				
841								849	
							858		
		873							
							888		890
	892			895					900

b. Ngwala dinomoro tše di tlogetšwego mo go kriti ya mo godimo.

c. Ngwala dinomoro tše 10 tšeo di tlago ka morago ga 800.

800; ____; ____; ____; ____; ____; ____; ____; ____; ____; ____

d. Ngwala dinomoro tše 8 tše di latelago ka patrone ya di-2.

852; 854; 856; ____; ____; ____; ____; ____; ____; ____; ____

e. Ngwala dinomoro ka moka ka patrone ya di-2 go tloga go 807 go fihla go 829.

807; ____; ____; ____; ____; ____; ____; ____; ____; ____; ____ 829

f. Ngwala dinomoro tše 8 tše di latelago ka patrone ya di-5.

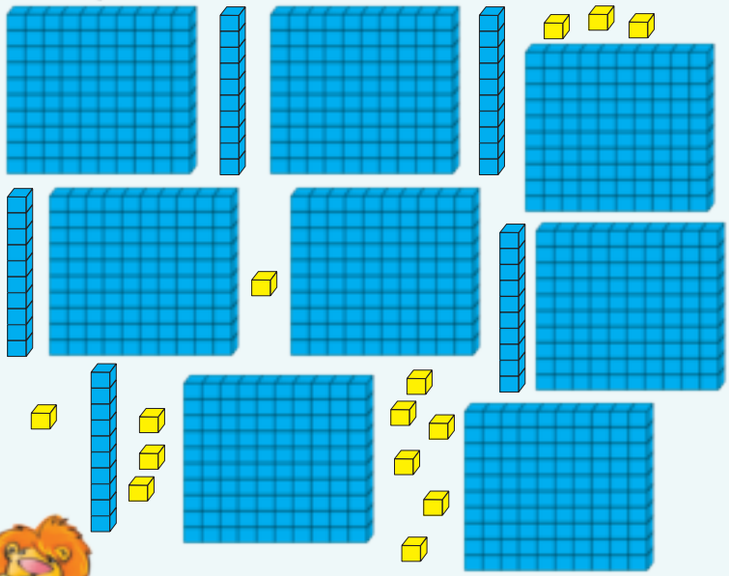
834; 839; 844; ____; ____; ____; ____; ____; ____; ____; ____

1 2 3 4 5 6 7 8 9 10

SEP MATHS G3 B2 9781431501526.indb 74 2014/07/02 9:48 AM



2 O bala dipoloko tše kae?



O badile dipoloko bjang?

3 Feleletša methalopalo.

830			833				837	838		
							876	881	886	
					843	846	849			

4 Feleletša lenaneo.

	Ngwala go tloga go ye nnyane go feta go fihla go ye kgolo go feta	Ngwala go tloga go ye kgolo go feta go fihla go ye nnyane go feta
856, 853, 855, 851, 857		
898, 801, 810, 819, 891		

5 Ngwala nomoro ye e latelago ka mantšu.

845	

Teacher:
Sign:
Date:

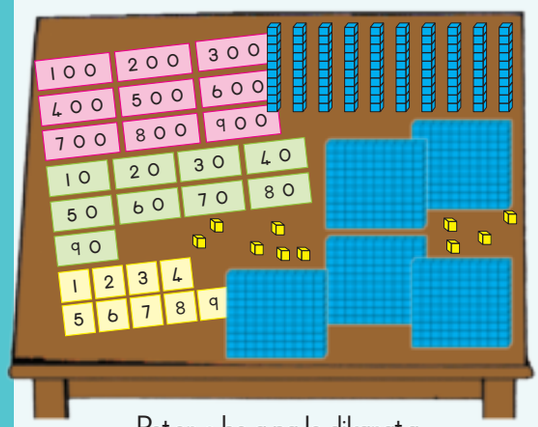
11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 75 2014/07/02 9:48 AM

101

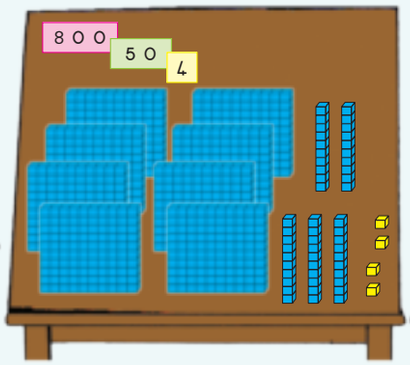
Letšatšikgwedi:

Dinomoro tše di oketšegilego: 800 go fihla go 900

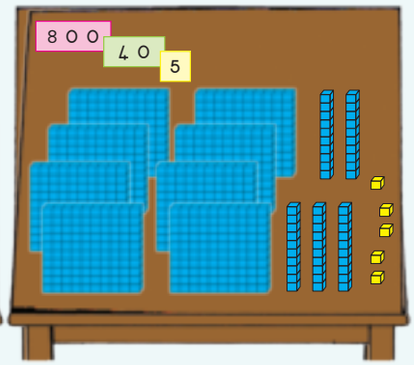


Peter o be a na le dikarata tša kemapalo ye e latelago, le dipoloko tša motheo tša 10.

Morutiši o kgopela Peter gore a laetše 854 ka dikarata le dipoloko tša gagwe.

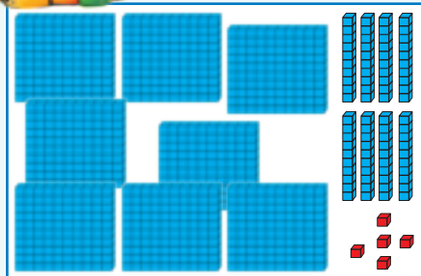
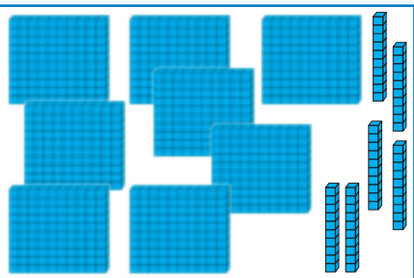
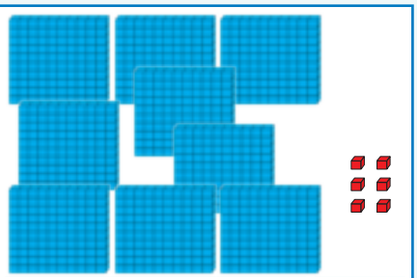


Se ke se Ben a se laeditšego. O šaeditše eng?





Ngwala lefokopalo, ka morago o ngwale karabo.

	800 + 80 + 5 =	885			
					



Ngwala lefokopalo, ka morago o ngwale karabo.

800 + 50 + 2	800 + 90 + 7	800 + 3
=		

SEP MATHS G3 B2 9781431501526.indb 76 2014/07/02 9:48 AM



3 Feleletša mothalopalo.

889	890	891									900

Ngwala dinomoro ka moka tše di lego tše nnyane go 894. _____

Ngwala dinomoro ka moka tše di fetago 894. _____

4 Ngwala < goba > goba =

a. 899 _____ 898 b. 802 _____ 820

c. 900 + 70 + 5 _____ 785

5 Aroganya nomoro ya gago.

a. Aga nomoro ye nngwe le ye nngwe ka dikarata tša gago.

b. Ngwala boleng bja mono wo mongwe le wo mongwe. Bjale, dira tše: Aroganya nomoro ya gago.

890	
889	
802	
855	
840	

Mohlala: 876

	8 0 0
	7 0
	6
	8 7 6
876	800 + 70 + 6

6 Ngwala mainapalo.

889	
825	
803	
830	
899	

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 77 2014/07/02 9:48 AM

102a

Letšatšikgwedi:

Go ela dilo

Letšatšikgwedi:



Lebelela diswantšho tše di latelago gomme o ngwale dikarabo.



a. Bupi bja go hlatswa bja 1 kg bo bofefo goba bo boima go feta bja 2 kg?

_____

b. Ye bofefo ke efe: siriele ya difihlolo ya 500 g goba dibiskiti tša 200 g?

_____

c. Ye boima ke efe: Khirimi ya go tlola ya 100 g goba phakete ya setampa ya 1 kg?

_____



Re kala bokae ka moka ge re hlakane?

Nna ke kala 25 kg, mogwera wa ka 29 kg gomme morwarre 45 kg.



Ditšweletšwa di imela bokae ge di hlakane?

Setšweletšwa sa mathomo se imela 1 kg 500 g, Setšweletšwa sa bobedi se imele 3 kg 500 g, Setšweletšwa sa boraro se imela 2 kg 500 g.

SEP MATHS G3 B2 9781431501526.indb 78 2014/07/02 9:48 AM



4 Lebelela diswantšho gomme o arabe dipotšišo.



Na nka ngwala bjang 3,5 kg e le di-kg le di-g?

5 Feleletša lenaneo.

Morutiši wa gago o tla go fa dilo tše 5 gore o di lebelele.
Lekanyetša boima bja tšona gomme o di kale.

Selo	Tekanyetšo: (*estimation*)	Tekanyo: (*measurement*)	Phapano magareng ga tekanyetšo le tekanyo.

6 Na ditšweletšwa di imela bokae ge di hlakane?

Setšweletšwa sa mathomo se imela 2 kg 500 g. Setšweletšwa sa bobedi se imela 1 kg 500 g, Setšweletšwa sa mafelelo se imela 3 kg 500 g.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 79 2014/07/02 9:48 AM

102b

Letšatšikgwedi:

A re kaleng go ya pele

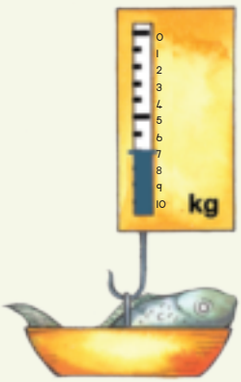
Bontši ke tekanyo ya gore boselo ke bjo bokaakang ka gare ga selo.
Boselo ge bo le bjo bontši; go ba bothata kudu go bo šuthiša.

Boima ke kelo ya maatla ao a gogelago dilo go ya bohlakanelong.
Maatla a go gogela bohlakanelong ke a mannyane kua ngweding.

Re kala bontši/bogolo bja boima ka dikilogramo le digramo.

Dikala tša go fapana

Re šomiša dikala tša go fapana go kala bontši le boima.



Hlapi e na le boima bja 3 kg.

Re kala bontši ka sekala, gomme, boima ka sekala sa seporing.

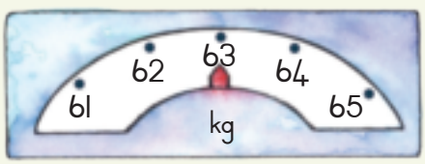
Litara ya meetse e na le bogolo bja boima bja 1 kg.

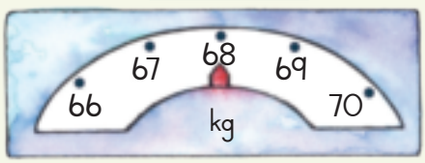


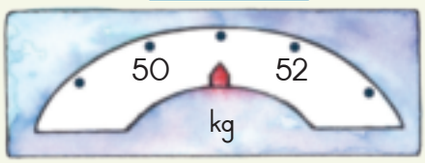


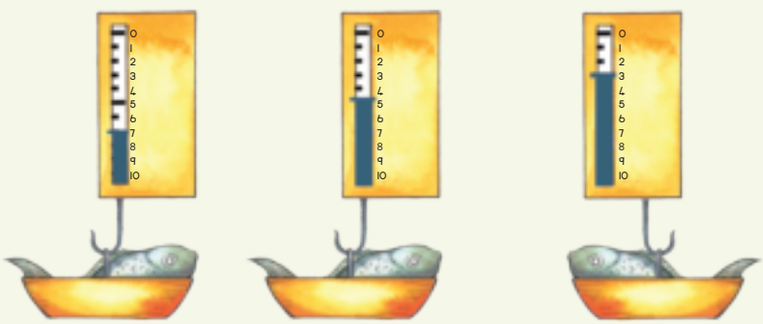
Hwetša boima.

Ngwala boima bjo bo laetšwago ka dikilogramo mo go se sengwe le se sengwe sa dikala tša seporing.









SEP MATHS G3 B2 9781431501526.indb 80 2014/07/02 9:48 AM



Re šomiša digramo go kala bontši bja boima bja dilo tše nnyane goba tše bofefo, le go kala dipalophatlo tša dikilogramo.

1 000 g = 1 kg

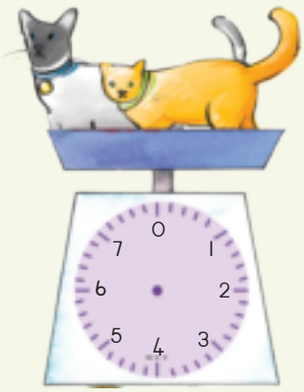
Mo sekaleng se sa seporing, mothalo wo mongwe le wo mongwe o emela boima bja 10 kg. Ditamati di imela digramo tše 320.





Di imela digramo tše kae?

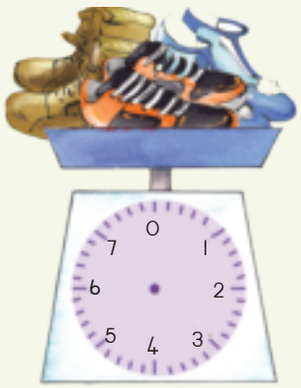
Thala moo lerumo mo sekaleng le swanetšego go ya gona ka dinako tšohle.



7 kg



4 kg



6 kg



Thala moo lerumo, mo sekaleng le swanetšego go ya gona ka dinako tšohle.

Hlakantšha o oketše o dire 1 kg (1 000g).

a. 125 g + 250 g + 125 g + _____ g = 1 000 g (1 kg)

b. 50 g + 30 g + 240 g + 60 g + 100 g + _____ = 1 kg

c. 57 g + 46 g + 243 g + 334 g = _____ = 1 000 g (1 kg)

d. 50 g + 90 g + 160 g + _____ = 1 000 g (1 kg)

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 81 2014/07/02 9:48 AM

103

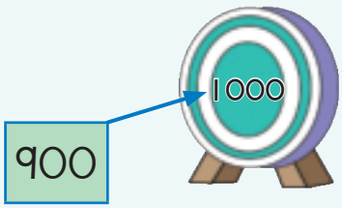
Letšatšikgwedi:

Dinomoro 900 go fihla go 1 000



Bala gomme o ngwale.

a. Šomiša papetla ye e latelago go go thuša go bala go tloga go 900 go fihla go 1 000. Balela dinomoro godimo ge o dutše o bala.



901		903							910
								919	
		943					948		
981									
991								999	

b. Ngwala dinomoro tše di tlogetšwego mo go kriti ya mo godimo.

c. Ngwala dinomoro tše 10 tšeo di tlago ka morago ga 900.

900; ____; ____; ____; ____; ____; ____; ____; ____; ____; ____

d. Ngwala dinomoro tše di latelago tše 8 ka patrone ya di-2.

946; 948; 950; ____; ____; ____; ____; ____; ____; ____

e. Ngwala dinomoro ka moka go thoma go 945 go fihla go 967, ka patrone ya di-2.

945; ____; ____; ____; ____; ____; ____; ____; ____; ____; ____; 967

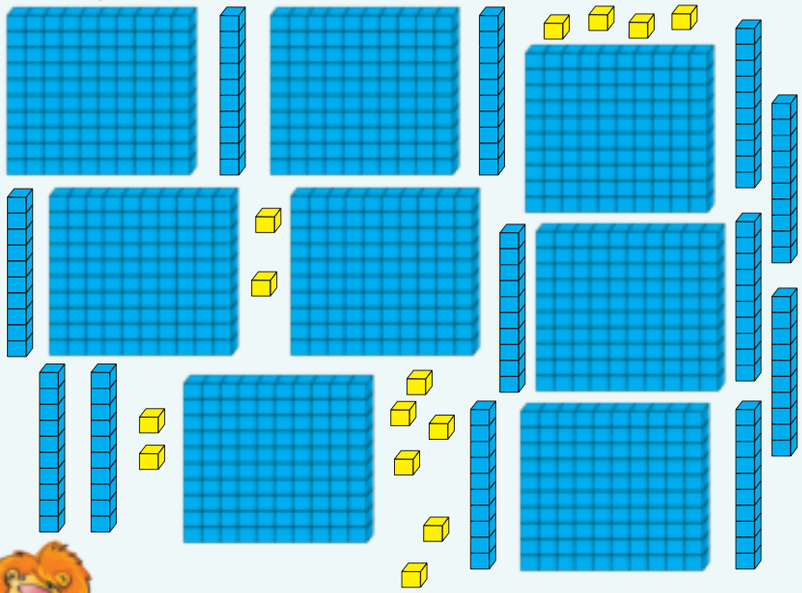
f. Ngwala dinomoro tše di latelago tše 8 ka patrone ya di-5.

936; 941; 946; ____; ____; ____; ____; ____; ____; ____

SEP MATHS G3 B2 9781431501526.indb 82 2014/07/02 9:48 AM



2 O bala dipoloko tše kae?



O badile bjang dipoloko?

3 Feleletša methalopalo.

950			953				957	958		
							956	961	966	
					903	906	909			

4 Feleletša lenaneo.

	Ngwala go tloga go ye nnyane go feta go fihla go ye kgolo go feta	Ngwala go tloga go ye kgolo go feta go fihla go ye nnyane go feta
936, 933, 935, 931, 937		
978, 907, 970, 917, 971		

5 Ngwala nomoro ye e latelago ka mantšu.

695	

Teacher:
Sign:
Date:

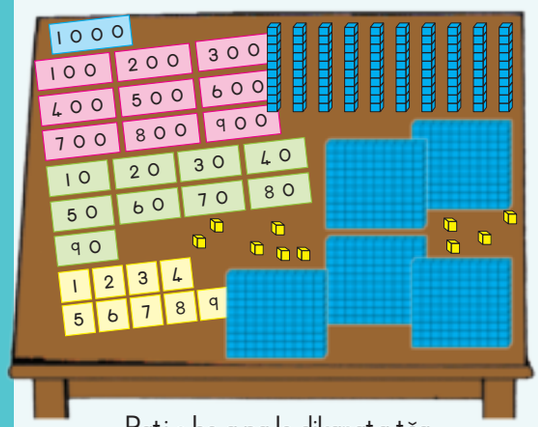
11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 83 2014/07/02 9:48 AM

104

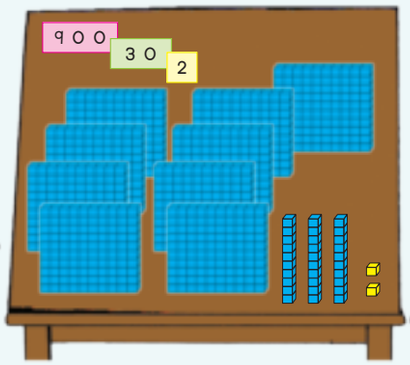
Letšatšikgwedi:

Dinomoro tše di oketšegilego: 900 go fihla go 1 000

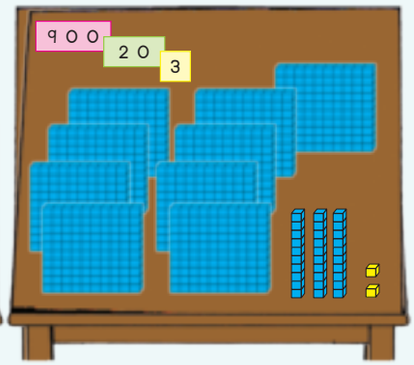


Rati o be a na le dikarata tša kemapalo ye e latelago, le dipoloko tša motheo tše 10.

Morutiši o kgopela Rati gore a laetše 932 ka dikarata le dipoloko tša gagwe.

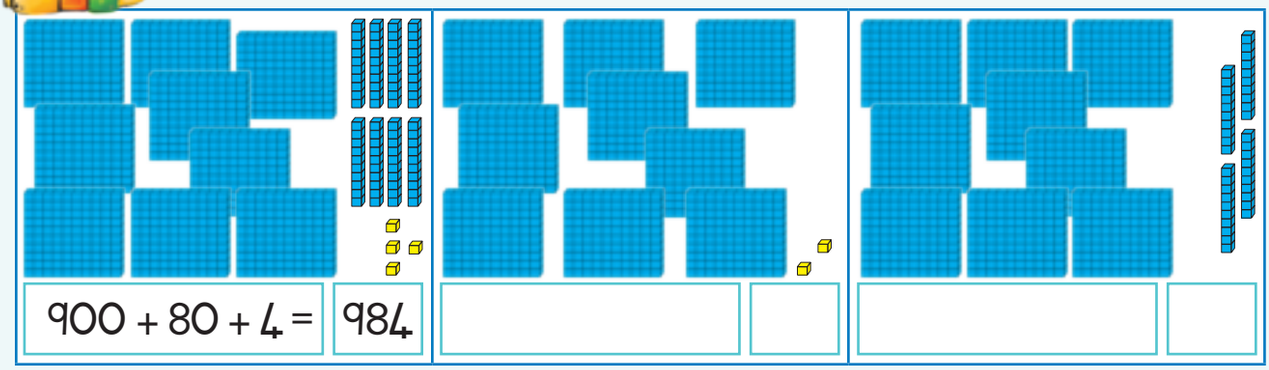


Se ke se Phuki a se laeditšego. O šaeditše eng?





Ngwala lefokopalo, ka morago o ngwale karabo.



900 + 80 + 4 =	984		



Ngwala lefokopalo, ka morago o ngwale karabo.

900 + 90 + 9		
=		

SEP MATHS G3 B2 9781431501526.indb 84 2014/07/02 9:48 AM



3 Feleletša mothalopalo.

989	990	991								999

Ngwala dinomoro ka moka tše di lego tše nnyane go 995. _____

Ngwala dinomoro ka moka tše di fetago 95. _____

4 Ngwala < goba > goba =

a. 999 _____ 998 b. 957 _____ 975

c. 900 + 60 + 1 _____ 961

5 Aroganya nomoro ya gago.

a. Aga nomoro ye nngwe le ye nngwe ka dikarata tša gago.

b. Ngwala boleng bja mono wo mongwe le wo mongwe. Bjale, dira tše: Aroganya nomoro ya gago.

922	
959	
980	
907	
931	

Mohlala: 984

900	
80	
4	
984	900 + 80 + 4

6 Ngwala mainapalo.

976	
905	
950	
821	
909	

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

Sepedi G3 B2 Num Gr3-97-112.indd 85 2014/07/02 1:24 PM

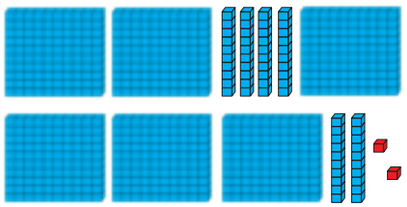
105

Letšatšikgwedi:

Go hlakantša le go ntša, go fihla go 999



Ngwala lefokopalo la ye nngwe le ye nngwe.



Hlaloša gore o badile bjang dipoloko.

Hlaloša gore o badile bjang dipoloko.



Šomiša mohlala gore o go hlahle.

5 0 | 5 0 | 50 gabedi ke 100	3 0 0 | 3 0 0 |
2 0 0 | 2 0 0 |	3 | 3 |



Šomiša tše di nyakilego di pedifaditšwe go rarolla tše di latelago. Šomiša mohlala gore o go hlahle.

a. 43 + 44 =	pedifatša 43 + 1	43 + 43 + 1 = 87
b. 81 + 41 =		
c. 40 + 41 =		
d. 66 + 67 =		

SEP MATHS G3 B2 9781431501526.indb 86 2014/07/02 9:48 AM



4 Šomiša dipedifatšwa goba tše di nyakilego di pedifaditšwe go rarolla tše di latelago. Šomiša mohlala gore o go hlahle.

a. Pedifatša 340
= 340 + 340
= Pedifatša 340
= 300 + 300 + 40 + 40
= 600 + 80
= 680

b. 340 + 341
= Pedifatša 340 + 1
= 300 + 300 + 40 + 40 + 1
= 600 + 80 + 1
= 681

c. 470 + 470

d. 461 + 462

5 Rarolla tše di latelago.



Ba Mphato wa 2 ba kgobokeditše dimabolo tše 360.

Ba Mphato wa 3 ba kgobokeditše dimabolo tše di fetwago ke tša ba Mphato wa 2 ka 216.

Ba Mphato wa 3 ba na le dimabolo tše kae?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 87 2014/07/02 9:48 AM

106

Letšatšikgwedi:

Ka ga ntlo



Letšatši la go paka.

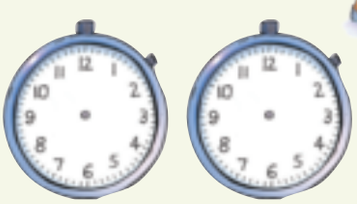


Mmane Dineo o paka borotho ka ontong ya gagwe.

Bontšha nako mo dišupanakong tše.

Seripagare le kotara.

O lokela borotho ka kotara go tšwa iring ya bone.



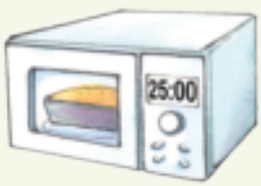
O ntšha borotho metsotso ye mehlano ka morago ga iri ya bohlano.

Borotho bo tšere nako ye kae go butšwa? _____

MmagoAnn o šomiša maekero-obene. O butšwiša ka pela.

Nako ke 16:30. Lebelela nako ya go apea yeo e beilwego, mo go maekero-obene.

Borotho bo tlile go loka neng? _____



Maekero-obene o ka pela gakaakang go feta onto ye nngwe?

Metsotso ye _____.



Mešomo ya mesong.





Mesong ya Mokibelo, Tumišo le Phuki ba thuša mmagobona ka mošomo wa ka ntlong. Mošongwana wo mongwe le wo mongwe o tšea nako ye kaakang?

	Thoma	Fetša	Nako ye kaakang?
Go apea difihlolo	6:15	6:40	
Go hlatswa dibjana	7:20	8:05	
Go hlwekiša khitšhi	8:20	9:15	
Go hlwekiša phapošibohlapelo	10:00	10:25	
Go hlwekiša phapošiborobalelo	11:30	12:15	

SEP MATHS G3 B2 9781431501526.indb 88 2014/07/02 9:48 AM



Go nošetša serapana.

Lethopo le ka šomiša dilitara tše 30 tša meetse ka motsotso o I!



Lethopo le ka šomiša dilitara tše kae tša meetse ka:

Metsotso ye 2: dilitara tše _____.

Metsotso ye 2 $\frac{1}{2}$: Dilitara tše _____.

Metsotso ye 5: Dilitara tše _____.

Metsotso ye 10: Dilitara tše _____.

Go apea kheri.

TatagoTumišo o dira kheri o bile o a e rekiša. Ka beke o šomiša dimililitara tše 750 tša oli.

O ngwala gore o šomiša oli ye kaakang letšatši le lengwe le le lengwe.

Mošupologo	Labobedi	Laboraro	Labone	Labohlano	Mokibelo	Lamorena
98 ml	122 ml	108 ml	117 ml	109 ml	135 ml	?

a. O šomiša dimililitara (ml) tše kae tša oli go tloga Mošupologo go fihla Mokibelo?
_____ dimilimitara.

b. O šomiša dimililitara (ml) tše kae tša oli ka Lamorena?
_____ dimilimitara (ml)

c. Lebotlelo le tee la oli la dimilimitara tše 750 le bitša R18,50. Mabotlelo a 4 a tla ja bokae?



Lekola!
Bapetša!
Lokiša!

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 89 2014/07/02 9:49 AM

107

Go šoma ka tšhelete

Letšatšikgwedi: .....



Bala dikhoine le tšhelete ya pampiri.

10 ×  = R1	20 ×  = R_____	50 ×  = R_____
10 ×  = R_____	20 ×  = R_____	50 ×  = R_____
10 ×  = R_____	20 ×  = R_____	50 ×  = R_____
10 ×  = R_____	20 ×  = R_____	50 ×  = R_____
10 ×  = R_____	20 ×  = R_____	50 ×  = R_____

100 ×  = R_____	100 ×  = R_____	100 ×  = R_____
100 ×  = R_____	100 ×  = R_____	



Leeto la setimela.



Hunadi le bana ba gagwe ba 3 ba sepela ka setimela.

Bana le batho ba bagolo ba lefa go lekana.

Hunadi o lefa ka tšhelete ye ya pampiri.





O hwetša tšhentšhi ya R300.

Na o reka thekethe e 1 ka bokae? Swaya (✓) mo go karabo ya maleba.

a. R90 _____ b. R32 _____ c. R80 _____ d. R45,50 _____

Lekola!
Bapetša!
Lokiša!

SEP MATHS G3 B2 9781431501526.indb 90 2014/07/02 9:49 AM



Lebenkele la sephasa la Oketšo.

Oketšo o dira lenaneo la tšhelete ye a e hwetšago. O thoma ka go lekanyetša ka morago a bala letseno la letšatši. Letseno ke tšhelete yeo re e hwetšago. Thuša Oketšo go feleletša go bala. Ngwala karabo lenaneong le.

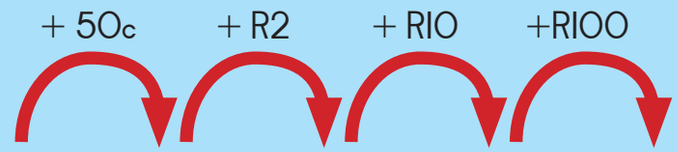
		Lekanyetša	Palomoka
Mošupologo	R50 + R75 + R200 + R350 + R25		
Labobedi	R25 + RI75 + R50 + R320 + R90		
Laboraro	R50 + R75 + R200 + R350 + R25		
Labone	RI20 + R55 + RI80 + R245 + R25		
Labohlano	R60 + RI50 + RI40 + R200 + RI25		
Mokibelo	R50 + R75 + R200 + R350 + R25		
Lamorena			

Laetša gore tšhentšhi ke bokae.

Go hwetša tšhentšhi ya gago, o ka hlakantša theko ya dilo gomme wa ntšha palomoka ya theko mo go tšhelete ya pampiri.

Mohlala:

Phuki o reka dijo ka R87, 50.
O lefa ka R200 ya pampiri.
Tšhentšhi ya gagwe ke bokae?



50c + R2 + RIO + RIOO = RII2,50 Tšhentšhi

Šomiša methalopalo go go thuša gore o hwetše tšhentšhi.

Theko: R229,40
Lefa ka:



Theko: R305,60
Lefa ka:



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 91 2014/07/02 9:49 AM



108

Letšatšikgwedi:

Go hlakantšha le go ntšha, go fihla go 999



A re direng palontšu.

Thati o kgoboketša dimamaretšwa tše 234.
Tumišo o mo file dimamaretšwa tše dingwe tše 501.
Bjale o na le dimamaretšwa tše kae?

Potšišo ke eng?
O na le dimamaretšwa tše kae bjale?

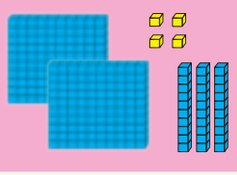
Lentšu la motheo ke lefe? gape

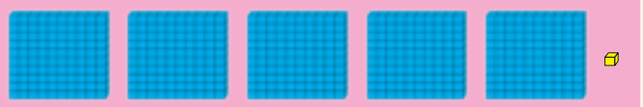
Dinomoro ke dife? 234 le 501



Se ke se Lisa a se dirilego go dira palontšu ya Thati.

A re laetšeng se ka motheo wa rena wa dipoloko tše lesome.







Se ke se Aakar a se dirilego.
O thadile seswantšho.



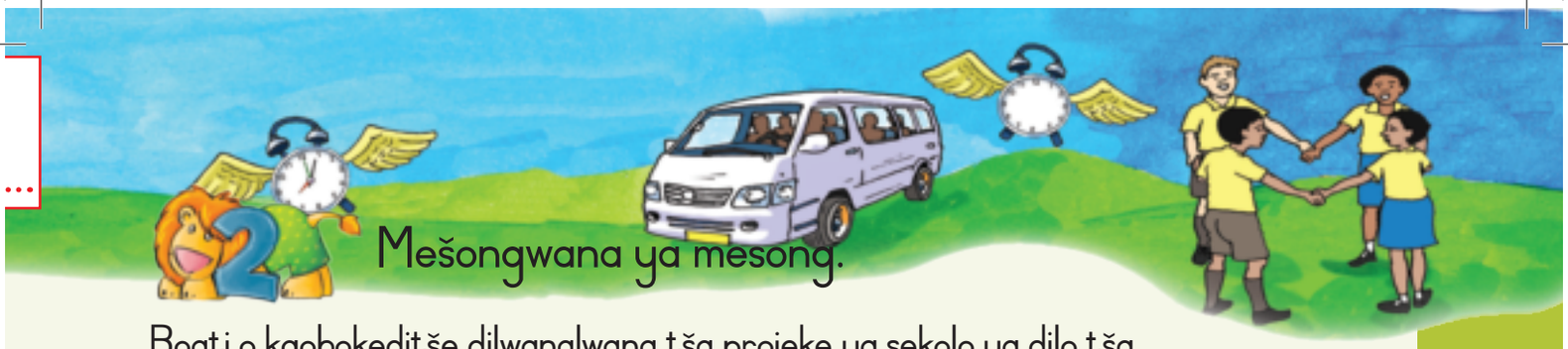


Lisa o beile bjang motheo wa gagwe wa dipoloko tše lesome go swana le sethalwa sa Aakar.

Šomiša nomoro ye e lego mo palontšung go e dira mo tlase ka go šomiša mekgwa ye mebedi yeo o ithutilego yona go fihla ga bjale.

Mokgwa wa 1	Mokgwa wa 2

SEP MATHS G3 B2 9781431501526.indb 92 2014/07/02 9:49 AM



2 Mešongwana ya mesong.

Boati o kgobokeditše dilwanalwana tša projeke ya sekolo ya dilo tša go šomišwa gape. O kgobokeditše mabotlelo a plastiki a 624 le ditshitswana tše nnyane tše 268. Na o kgobokeditše dilwanalwana tše kae?

Potšišo e reng? _____

Dinomoro ke dife?	Lentšu la motheo ke lefe? Swaya karabo ya maleba. Lentšu la motheo le re botša gore re: Hlakantšhe / Ntšhe
Thala seswantšho.	Somiša mokgwa wa gago go rarolla palo.

Lebenkele le na le diphuthana tše 900 tša swikiri. Ka morago ga go rekiša tše dingwe tša diphuthana, o šaletšwe ke diphuthana tše kae tša swikiri. Ba rekišitše tše kae?

Karabo e reng? _____

Dinomoro ke dife?	Lentšu la motheo ke lefe? Swaya karabo ya maleba. Lentšu la motheo le re botša gore re: Hlakantšhe / Ntšhe
Thala seswantšho.	Somiša mokgwa wa gago go rarolla palo.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 93 2014/07/02 9:49 AM

109

Letšatšikgwedi: .....

Go hlakantšha le go ntšha, go fihla go 999 gape

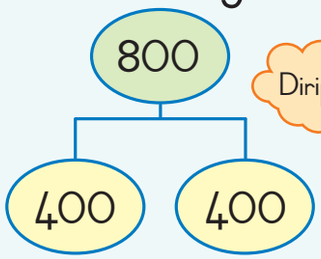
Lebelela dithalwa gomme o di hlaloše.

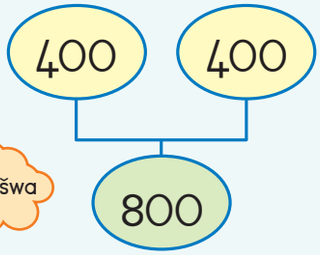




Diripagare

Dipedifatšwa





Feleletša tše di latelago:

a. 223 + 223 = _____.	e. 117 + 117 = _____.
b. 160 + 160 = _____.	f. 450 + 450 = _____.
c. 115 + 115 = _____.	g. 112 + _____ = 224.
d. 315 + 315 = _____.	h. 116 + _____ = 232.

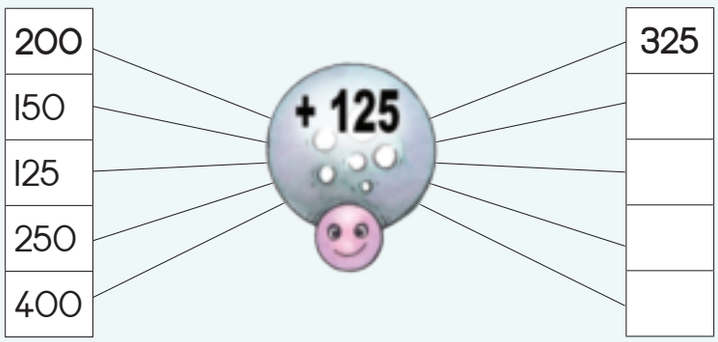


Ngwala dinomoro.

a. 523 oketša ka 12 ke _____.	e. 537 ntšha 29 ke 29 _____.
b. 540 oketša ka 15 ke _____.	f. Seripagare sa 300 ke _____.
c. 576 oketša ka 20 ke _____.	g. 420 gabedi ke _____.
d. 590 oketša ka 60 ke _____.	h. Seripagare sa 600 ke _____.



Hlakantšha ka 125.



SEP MATHS G3 B2 9781431501526.indb 94 2014/07/02 9:49 AM



4 1 000 e dirwa ke eng?

a.	200 + 150 +50 + ☐ = 1 000	e.	25 + ☐ + 900 = 1 000
b.	1 000 = 560 + ☐ + 400	f.	☐ + 700 + 50 = 1 000
c.	670 + ☐ = 1 000	g.	1 000 = 420 + ☐ + 500
d.	910 + 40 + ☐ = 1 000	h.	☐ + 30 + 900 = 1 000

Hwetša maloko a + le a −.

Mohlala: 125 + 600 = 725 725 − 125 = 600 725 − 600 = 125

123 + 77 = ☐	☐ − 77 = 123	☐ − 123 = 77
650 + ☐ = 800	800 − 650 = ☐	☐ + 650 = 800
1 000 − 250 = ☐	1 000 − ☐ = 250	250 + ☐ = 1 000
56 + ☐ = 300	300 − ☐ = 56	☐ + 56 = ☐
820 + ☐ = 1 000	1 000 − ☐ = 820	1 000 − 820 = ☐

Lekola!
Bapetša!
Lokiša!

Hlakantša gomme o ntšhe masome le makgolo.

a. Masome le makgolo

78 + 10 =	149 + 10 =	456 + 100 =	987 + 10 =
636 + 100 =	801 + 100 =	727 + 100 =	612 + 10 =
456 − 10 =	749 − 100 =	829 − 100 =	987 − 10 =
875 + 10 =	709 − 100 =	815 + 10 =	903 − 100 =

b. Palotlalo ya masome (Dikatišo tša lesome)

150 − 30 =	190 − 60 =	175 − 50 =	990 − 80 =
210 + 90 =	335 + 60 =	660 + 50 =	812 + 60 =
256 − 50 =	320 − 30 =	785 − 60 =	999 − 90 =
567 + 37 =	671 + 90 =	832 + 80 =	928 + 80 =

Rarolla tše di latelago

925 + 53 = ☐ 571 + 202 = ☐ 786 + 75 = ☐ 903 + 95 = ☐

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 95 2014/07/02 9:49 AM

110

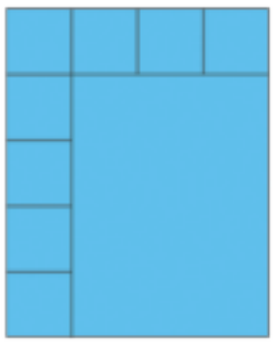
Diphasele tša tekanyo

Letšatšikgwedi:



Hwetša area.

Go nyakega dikwere tše kae go khupetša sekgoba se sengwe le se sengwe? 
Šomiša mokgwa wa gago go hwetša karabo. O ka thala dikwere mo diswantšhong gore di go thuše go hwetša karabo.

a. 

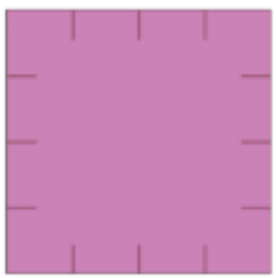
_____

b. 

_____

c. 

_____

d. 

_____



Rarolla thai.



O nyaka go ela dilitara tše 4 tša meetse.

O swere fela ditšhelo tše pedi: se tee se swara dilitara tše 3 gomme tše dingwe di swara dilitara tše 5. O e rarolla bjang?

Mohlala: bonnyane go na le mekgwa ye mebedi

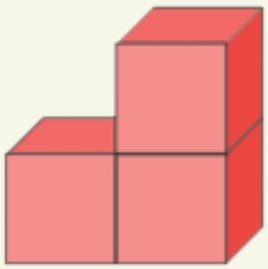
SEP MATHS G3 B2 9781431501526.indb 96 2014/07/02 9:49 AM





O bona eng?

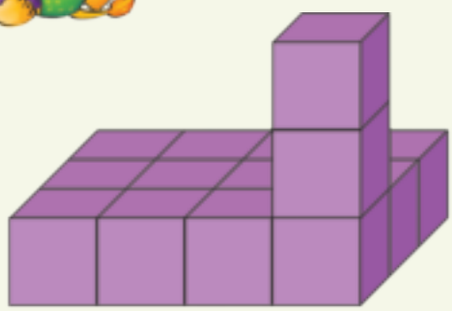
Dipoloko tše tharo di kgomagantšwe go swana le mo go seswantšho se.



Ge o topa dipoloko tše di kgomagantšwego o bala dikwere tše kae ka sakantle? _____



Bala dikube.



Ke dikube tše kae tše di dirago sebopego se?

_____



Tlhohlo: thai ya nako.

Lekola!
Bapetša!
Lokiša!

Tlhahlo

O na le dielanako tša santa tše pedi.

Kelo e tee ke metsotso ye 7 gomme kelo ye nngwe ke metsotso ye 11.

O ka diriša bjang dielanako go hwetša gore metsotso ye 15 e fetile ka nako mang?

_____

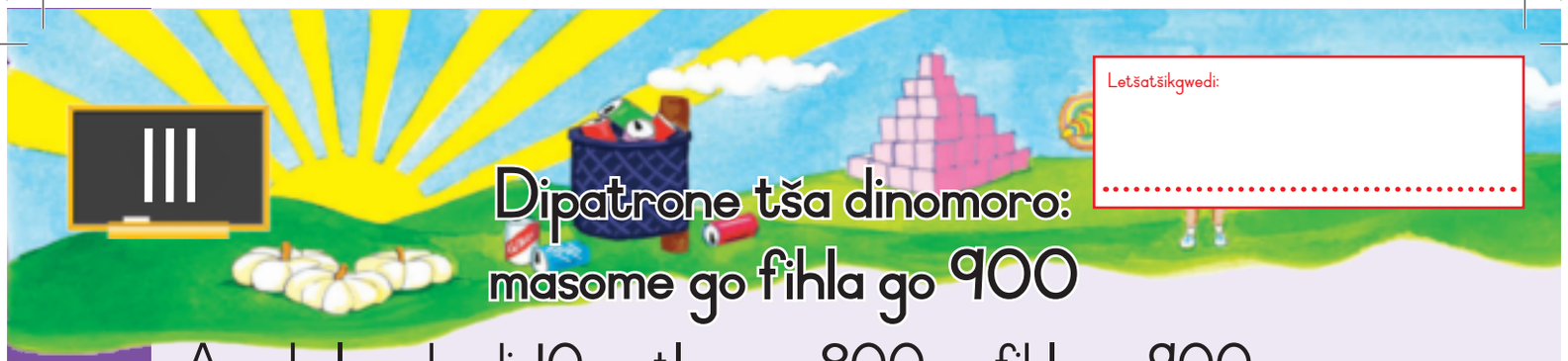
_____

_____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 97 2014/07/02 9:49 AM



Letšatšikgwedi: .....

Dipatrone tša dinomoro: masome go fihla go 900

A re baleng ka di-10 go tloga go 800 go fihla go 900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900



Dinomoro tše di diretšwego sediko di re laetša patrone efe?

Tša sediko se sehubedu: Go bala ka di- _____.	Ngwala patrone: _____
Tša sediko se setalamorogo: Go bala ka di- _____.	Ngwala patrone: _____



Bala.

a. 874 + 10 + 10 + 10 = _____	b. 858 – 10 – 10 – 10 – 10= _____
c. 845 + 10 + 10 = _____	d. 858 – 10 – 10 – 10 = _____
e. 836 + 10 = _____	f. 866 – 10 – 10 = _____
g. 892 + 10 + 10 + 10 = _____	h. 87 – 10 – 10 – 10 = _____
i. 880 + 10 + 10 = _____	j. 855 – 10 = _____

SEP MATHS G3 B2 9781431501526.indb 98 2014/07/02 9:49 AM



Ke dikotana tše kae?

Go na le dikotana tše 10 mo go ngata.



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

Methalo ya dikotana.



Go na le dingata tše lesome tša dikotana mo mothalong = 100 dikotana

Mothalo o 1 wa dingata tše 10 ÷ 100 dikotana $10 \times 10 = 100$

Methalo ye 2 ya dingata tše 10 = _____ dikotana $20 \times 10 =$ _____

Methalo ye 4 ya dingata tše 10 = _____ dikotana $40 \times 10 =$ _____

Methalo ye 10 ya dingata tše 10 = _____ dikotana $100 \times 10 =$ _____

Ke dingata tše kae?

Dikotana tše 700 di dira dingata tše _____.

Dikotana tše 900 di dira dingata tše _____.

Dikotana tše 1 000 di dira dingata tše _____.



Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 99 2014/07/02 9:49 AM

112

Letšatšikgwedi:

Ruma ka go iša go lesome (10) la kgauswi

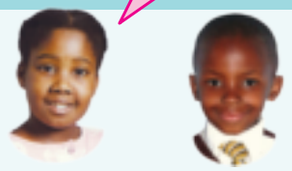
Re dirile go enetša lephephetšhomong la go feta. Lebelela mothalopalo gomme o hlalošetše mogwera wa gago gore o tla enetša bjang go ya go lesome la kgauswi.



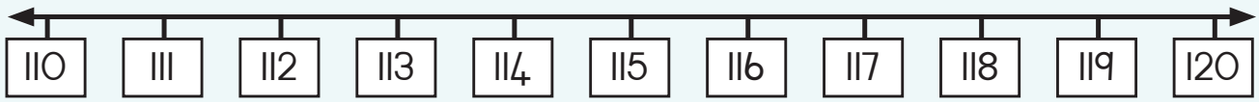
Gopola: o swanetše go lebelela metšo ge o enetša go ya go 10 la kgauswi.



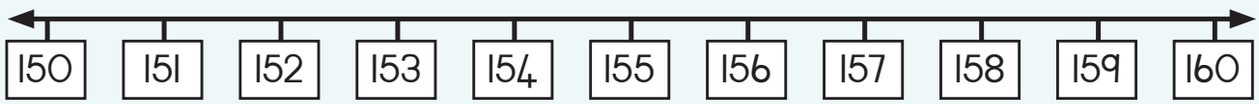
Enetša go ya go lesome (10) la kgauswi.



114 ge e enetša ke? _____ 117 ge e enetša ke? _____



159 ge e enetša ke? _____ 151 ge e enetša ke? _____

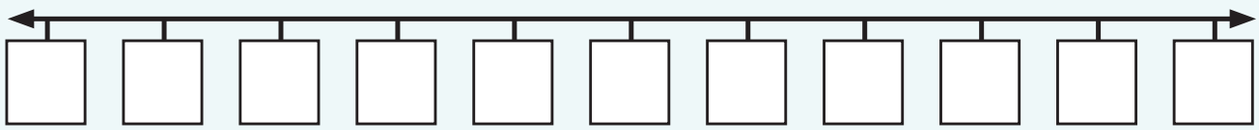




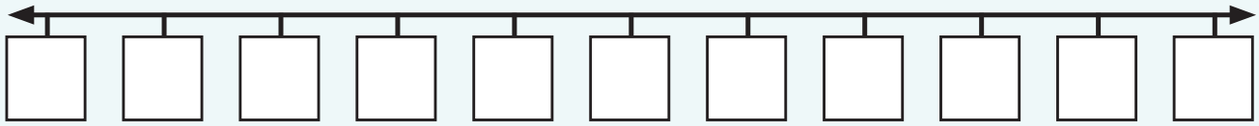
Ithalele mothalopalo wa gago.

Feleletša mothalopalo.

195



945





SEP MATHS G3 B2 9781431501526.indb 100 2014/07/02 9:49 AM

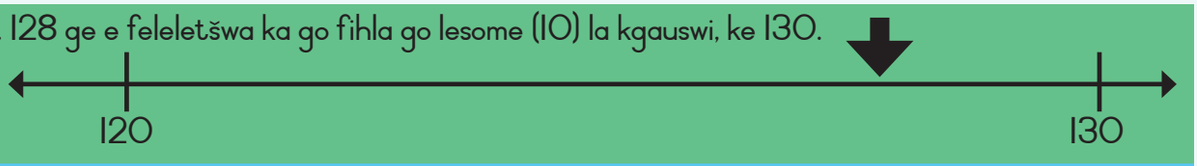


Feleletša ka go fihla go lesome (10) la kgauswi.

Pele o feleletša:

a. ngwala gore mo gare ga di-10 tše pedi, ke nomoro efe ye e swanetšego go feleletšwa.
b. laetša ka mosebe/lerumo mo go mothalopalo gore nomoro ye e tlo feleletšwago e ka ba kae.

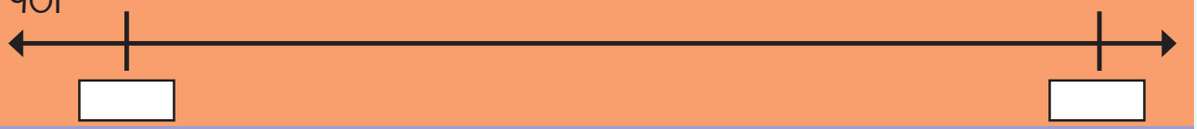
a. 128 ge e feleletšwa ka go fihla go lesome (10) la kgauswi, ke 130.



b. 877



c. 901



d. 566



e. 999



Feleletša nomoro ye e latelago ka go fihla go lesome (10) la kgauswi.

a. 161 ☐ b. 583 ☐ c. 415 ☐ d. 848 ☐ e. 612 ☐

f. 230 ☐ g. 327 ☐ h. 989 ☐ i. 534 ☐ j. 748 ☐

Na ke swanetše go ba le di-10 tša pampiri, tše kae?

Boati le bagwera ba gagwe ba 8 ba ya moletlong wa sekolo wa letšatši la sekolo la go ithabiša. Letšatši leo la go ithabiša le bitša R4 motho o tee. Boati o bolokile tšhelete, gomme o ithaopa go lefela bagwera ba gagwe. O ile go ATM go yo ntšha tšhelete. ATM e fa tšhelete ya pampiri fela. O swanetše go ba le di-10 tše kae tša pampiri? ☐

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 101 2014/07/02 9:49 AM

113

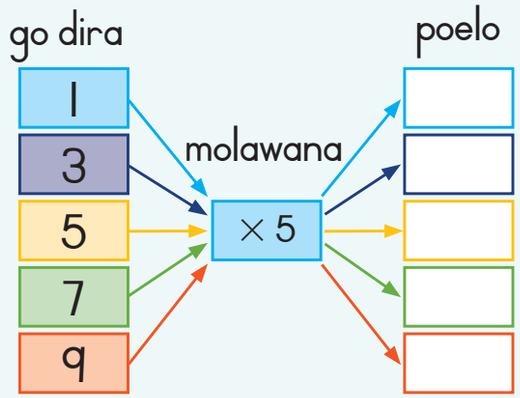
Go atiša le go arola: di-5 go fihla go 100

Letšatšikgwedi:

.....



Feleletša seswantšho sa go bontšha tatelano ya ditiro.





Feleletša lenaneo la mo tlase:

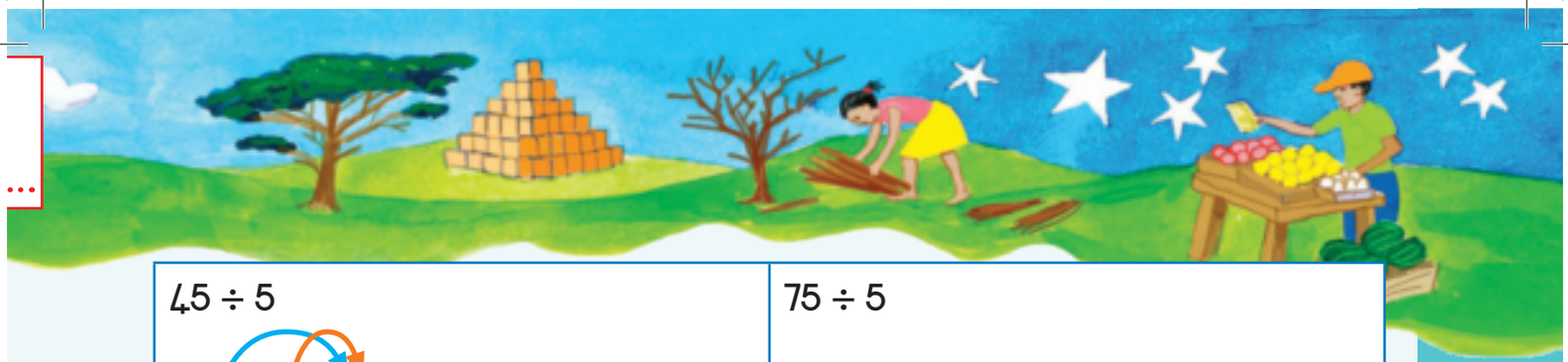
×	1	2	3	4	5	6	7	8	9	10
5										



Balela:

12 × 5 = (10 + 2) × 5 = 50 + 10 = 60	11 × 5
13 × 5 = (10 + 3) × 5 = 50 + 15 = 50 + 10 + 5 = 65	13 × 5

SEP MATHS G3 B2 9781431501526.indb 102 2014/07/02 9:49 AM



45 ÷ 5 = (40 + 5) ÷ 5 = (45 ÷ 5) + (5 ÷ 5) = 8 + 1 = 9	75 ÷ 5
48 ÷ 5 = (40 + 8) ÷ 5 = (40 ÷ 5) + (8 ÷ 5) = 8 + 1 maš 3 = 9 maš 3	13 ÷ 5



Rarolla dipalo tše di latelago:



Serapana sa merogo se na le methalo ye 14 ya dibjalo.

Mothalo wo mongwe le wo mongwe o na le palo ya go lekana ya dibjalo.

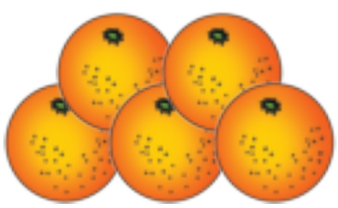
Ge go na le dibjalo tše 70, go na le dibjalo tše kae mothalong wo mongwe le wo mongwe?



Motswaledi o rekiša mekotlana ye e nago le dinamune tše hlano ka go mokotlana wo mongwe le wo mongwe.

O na le dinamune tše 85.

A ka tlatša mekotlana ye mekae?





11 12 13 14 15 16 17 18 19 20

SEP MATHS G3 B2 9781431501526.indb 103 2014/07/02 9:49 AM

Letšatšikgwedi: .....

114 Dipatrone tša dinomoro: Hlano go fihla go 1 000

A re bale ka di-5 go thoma go 805 go fihla go 900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900



Dinomoro tše di diretšwego sediko di laetša patrone efe?

Tše di diretšwego sediko ka botalalerata:	Go bala ka di _____.
Ngwala patrone:	
Tše di diretšwegogo sediko ka phepholo:	Go bala ka di _____.
Ngwala patrone:	



Bala.

a. 875 + 5 + 5 + 5 = ____	b. 850 − 5 − 5 − 5 = ____	c. 845 + 5 + 5 = ____
d. 830 − 5 − 5 − 5 = ____	e. 886 + 5 = ____	f. 846 − 5 − 5 = ____
g. 802 + 5 + 5 + 5 = ____	h. 801 − 5 = ____	i. 853 − 5 − 5 − 5 = ____

Sepedi G3 B2 Num Gr3-113-128 TWSITED.indd 104 2014/07/02 1:55 PM



Papetla ya dinomoro: 901 go fihla go 1 000.

901		903	904	905	906		908	909	910
911		913	914	915	916		918	919	920
921		923	924	925	926		928	929	930
931		933	934	935	936		938	939	940
941		943	944	945	946		948	949	950
951		953	954	955	956		958	959	960
961		963	964	965	966		968	969	990
971		973	974	975	976		978	979	990
981		983	984	985	986		988	989	990
991		993	994	995	996		998	999	1 000



Ngwala dinomoro tše di tlogetšwego.

Phapano ke eng magare ga dinomoro tše talamorogo le tše phepholo mo mothalong o tee.



Feleletša dipatrone.

Na o lemoga patrone?	E hlaloše.
963, 968, 973, 978, 983, _____	
944, 949, 954, 959, 964, _____	
921, 926, 931, 936, 941, _____	
956, 951, 946, 941, 936, _____	
982, 987, 992, 997, _____	
927, 922, 917, 912, 907, _____	



11 12 13 14 15 16 17 18 19 20

Sepedi G3 B2 Num Gr3-113-128 TWSITED.indd 105 2014/07/02 1:55 PM

Sepedi G3 B2 Num Gr3-113-128 TWS/TED.indd 106 2014/07/02 1:55 PM

115

Letšatšikgwedi:

Gape ka ga go swana

Seipone, seipone.



Bapala le molekane wa gago le šomiša ye nngwe ya disete tša phasele ye ka diripana tše 14 go tšwa go Sesegwa sa 10.

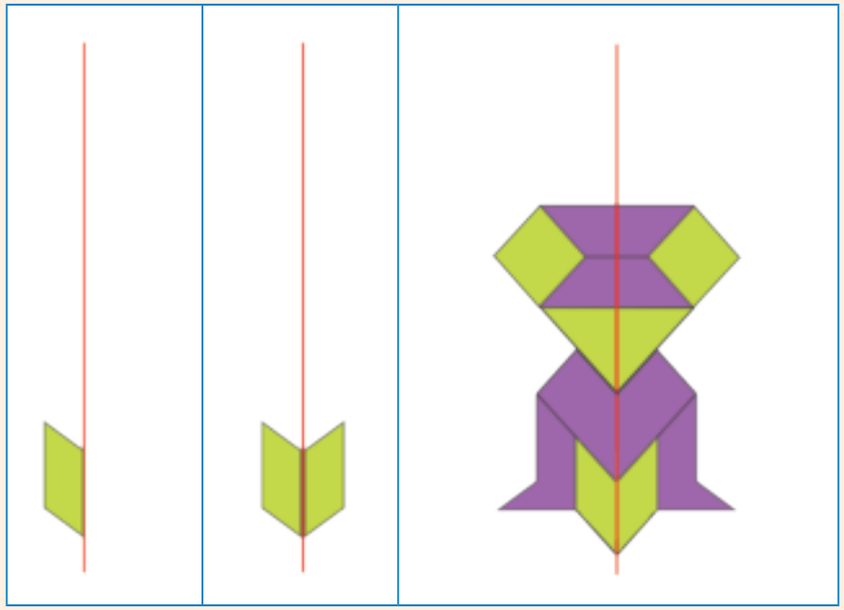
Moraloki yo mongwe le yo mongwe o swere seripagare sa dibopego tša diripana tša diphasele tša go thaela. Go se be le diripana tša go swana.

Thala mothalo go bapela le bogare bja seripana sa pampiri. Se se tla ba mothalo wa sešupo.

Moraloki wa mathomo o bea diripana tša gagwe kgauswi le mothalo.

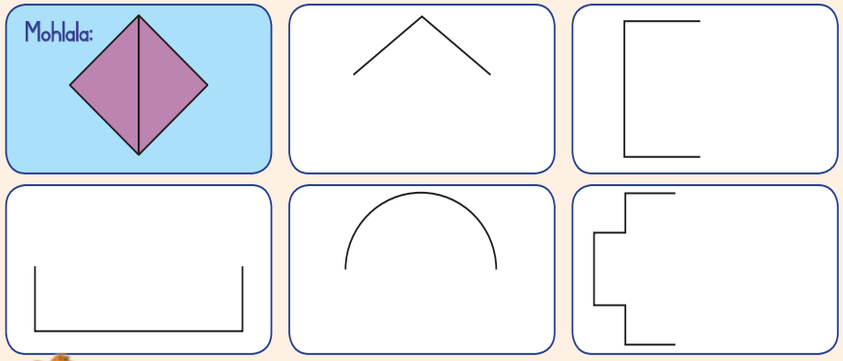
Moraloki wa bobedi o bea sešupo ka thoko ye nngwe ya mothalo. Se swanetše go kgwatha mothalo goba sebopego sa ye nngwe ya tšeo di šetšego di beilwe.

Tšwela pele go fihla ge diripana ka moka di šomišitšwe.

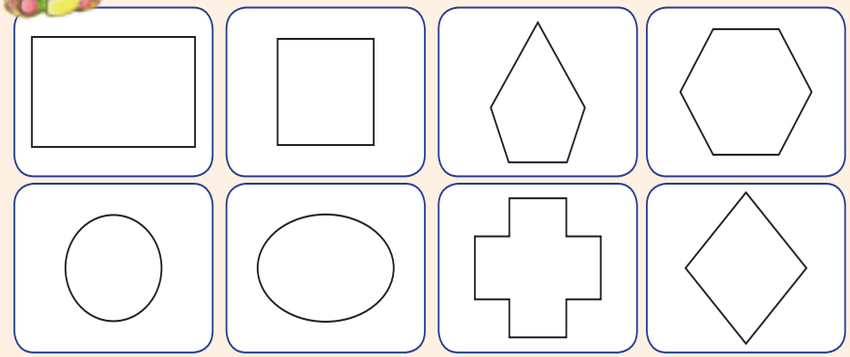


Thala ka thoko ye nngwe ya sebopego.

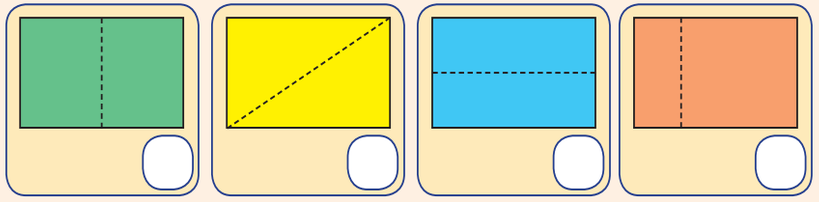
Bjale laetša mothalo wa go swana.



Thala mothalo wa go swana mo go tše di latelago:



Swaya dibopego tše di nago le methalo ya maleba ya go swana.



Teacher:
Sign:
Date:

116

Letšatšikgwedi: .....

Dipatrone tša dinomoro: di-2 go fihla go 900

A re baleng ka di-2 go tloga go 802 go fihla go 900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900

Dinomoro tše di diretšwego sediko di re laetša patrone efe?

Tše di diretšwego sediko ka botalalerata:	Go bala ka di _____:
Ngwala patrone:	
Tše di diretšwego sediko ka botalamorogo:	Go bala ka di _____:
Ngwala patrone:	

Bala.

a. 872 + 2 + 2 + 2 = ____	b. 820 − 2 − 2 − 2 = ____	c. 844 + 2 + 2 = ____
d. 832 − 2 − 2 − 2 − 2 = ____	e. 883 + 2 = ____	f. 842 − 2 − 2 = ____
g. 801 + 2 + 2 + 2 + 2 = ____	h. 815 − 2 = ____	i. 846 − 2 − 2 − 2 = ____

Palohlokatekanelo le palotekanelo.

a. Thala (✘) kgauswi le dipalohlokatekanelo le (✔) kgauswi le dipalotekanelo.

914	923	916	907	929	912	911	915
908	917	925	931	930	910	909	922	933

b. Araba o re: palohlokatekanelo goba palotekanelo.
Hlakanya dipalohlokatekanelo tše pedi. O hwetša palo _____.
Hlakanya dipalotekanelo tše pedi. O hwetša palo _____.
O hlakantšha dipalohlokatekanelo tše tharo. O hwetša palo _____.

Go bjala mehlare.

Wo ke mokgwa wa go bjala mehlare ye 48 methalong ya go lekana.

Re ka ngwala: 2 × 24 = 48 (methala ye 2 ya mehlare ye24 = 48) goba 48 ÷ 2 = 24 (mehlare ye 48 methalong ye 2 ya go lekana e re mehlare ye 24 mothalong o tee).
Bala methalo le mehlare seswantšhong se sengwe le se sengwe mo tlase.
Ngwala lefokopalo la x le la ÷ gore a sepelelane.

a. _____ × _____ = _____
_____ ÷ _____ = _____

b. _____ × _____ = _____
_____ ÷ _____ = _____

c. _____ × _____ = _____
_____ ÷ _____ = _____

d. Hwetša mokgwa wo mongwe wa go bjala mehlare ye 48 mo methalong.
_____ × _____ = _____
_____ ÷ _____ = _____

e. Hwetša mokgwa wo mongwe wa go bjala mehlare ye 48 mo methalong.
_____ × _____ = _____
_____ ÷ _____ = _____

Teacher:
Sign:
Date:

Sepedi G3 B2 Num Gr3-113-128 TWS ITED.indd 108 2014/07/02 1:56 PM

117

Letšatšikgwedi:

Go atiša le go arola:
di-2 go fihla go 100



Feleletša seswantšho sa go bontšha tatelano ya ditiro.





Feleletša lenaneo la mo tlase:

×	1	2	3	4	5	6	7	8	9	10
2										



Balela:

12 × 2 = (10 + 2) × 2 = 20 + 4 = 24	11 × 2
18 × 2 = (10 + 8) × 2 = 20 + 16 = 20 + 10 + 6 = 36	22 × 2

46 ÷ 2 = (40 + 6) ÷ 2 = (40 ÷ 2) + (6 ÷ 2) = 20 + 3 = 23	74 ÷ 2
47 ÷ 2 = (40 + 7) ÷ 2 = (40 ÷ 2) + (7 ÷ 2) = 20 + 3 go šala 1 = 23 go šala 1	75 ÷ 2



Rarolla dipalo tše di latelago:



Serapana sa merogo se na le methalo ye 32 ya dibjalo.

Mothalo wo mongwe le wo mongwe o na le dimela tše 2.

Go na le dimela tše kae ka serapaneng?

Serapana sa merogo se na le methalo ye 48 ya dimela.

Mothalo wo mongwe le wo mongwe o na le dimela tša go lekana.

Ge go na le dimela tše 80 go na le dimela tše kae mothalong wo mongwe le wo mongwe?



118

Letšatšikgwedi:

Go atiša le go arola:
di-3 go fihla go 100

Feleletša seswantšho sa go bontšha tatelano ya ditiro.

go dira	poelo
1	
3	
5	
7	
9	

molawana: × 3

go dira	poelo
2	
4	
6	
8	
10	

molawana: × 3

Feleletša lenaneo la mo tlase:

×	1	2	3	4	5	6	7	8	9	10
3										

Bala:

12 × 3 = (10 + 2) × 3 = 30 + 6 = 36	11 × 3
17 × 3 = (10 + 7) × 3 = 30 + 21 = 30 + 20 + 1 = 51	19 × 3

63 ÷ 3 = (60 + 3) ÷ 3 = (60 ÷ 3) + (3 ÷ 3) = 20 + 1 = 21	96 ÷ 3
65 ÷ 3 = (60 + 5) ÷ 3 = (60 ÷ 3) + (5 ÷ 3) = 20 + 1 go šala 2 = 21 go šala 2	98 ÷ 3

Rarolla dipalo tše di latelago:



Monene o na le malekere a 30.

Malekere a a lekana le a Molelo galesome.

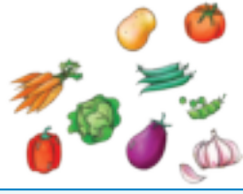
Molelo o na le malekere a makae?



Serapana sa merogo se na le methalo ye 29 ya dimela.

Mothalo wo mongwe le wo mongwe o na le dimela tše 3.

Ge go na le dimela tše kae ka serapaneng?



Teacher:
Sign:
Date:

1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

Sepedi G3 B2 Num Gr3-113-128 TWS/TED.indd 109 2014/07/02 1:56 PM

119

Letšatšikgwedi: .....

Patrone ya dinomoro: di-3 go fihla go 1 000

A re baleng ka di-3 go tloga go 803 go fihla go 899.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900

Dinomoro tše di diretšwego sediko di re laetša patrone efe?

Tše di diretšwego sediko ka mmala wa namune:	Go bala ka di _____.
Ngwala patrone:	
Tše di diretšwego sediko ka botalamorogo:	Go bala ka di _____.
Ngwala patrone:	

Bala.

a. 873 + 3 + 3 + 3 = ____	b. 824 − 3 − 3 − 3 = ____	c. 841 + 3 + 3 = ____
d. 837 − 3 − 3 − 3 − 3 = ____	e. 889 + 3 = ____	f. 846 − 3 − 3 = ____
g. 802 + 3 + 3 + 2 = ____	h. 819 − 3 = ____	i. 880 − 3 − 3 − 3 = ____

Papetla ya dinomoro tše: 901 go fihla go 1 000.

901		903	904		906	907		909	910
	912	913		915	916		918	919	
921	922		924	925		927	928		930
931		933	934		936	937		939	940
	942	943		945	946		948	949	
951	952		954	955		957	958		960
961		963	964		966	967		969	990
	972	973		975	976		978	979	
981	982		984	985		987	988		990
991		993	994		996	997		999	1 000

Ngwala dinomoro tše di tlogetšwego.

Khalara poloko ya dinomoro tše di tlogetšwego ka botalalerata. Khalara dipoloko tše tšhweu tše di nago le dinomoro ka gare ka bohubedu. Na o bona patrone efe?

Feleletša dipatrone.

a. Oketša 981 ka di-3 tše 4.	984, 987, 990, 993
b. Oketša 973 ka di-3 tše 5.	_____
c. Ntšha di-3 tše 4 mo go 975.	_____
d. Ntšha di-3 tše 3 mo go 947.	_____
e. Oketša 932 ka di-3 tše 2.	_____

Teacher:
Sign:
Date:

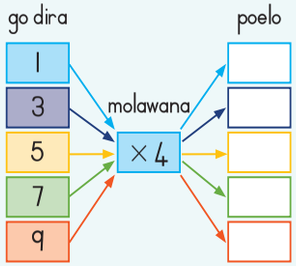
Letšatšikgwedi: .....

120

Go atiša le go arola:
di-4 go fihla go 100



Feleletša seswantšho sa go bontšha tatelano ya ditiro.





Feleletša lenaneo la mo tlase:

×	1	2	3	4	5	6	7	8	9	10
4										



Bala:

12 × 4 = (10 + 2) × 4 = 40 + 8 = 48	11 × 4
13 × 4 = (10 + 3) × 4 = 30 + 12 = 30 + 10 + 2 = 52	15 × 4

48 ÷ 6 = (40 + 8) ÷ 4 = (40 ÷ 4) + (8 ÷ 4) = 10 + 2 = 12	64 ÷ 4
45 ÷ 4 = (40 + 5) ÷ 4 = (40 ÷ 4) + (5 ÷ 4) = 10 + 1 go šala 1 = 11 go šala 1	49 ÷ 4



Rarolla dipalo tše di latelago:



James o na le malekere a 36.

O ja malekere a 4 ka letšatši.

A ka ja malekere matšatši a makae?



Rati o rekiša diphuthelwana tša go ba le dinamune tše nne sephuthelwana se sengwe le se sengwe.

O na le dinamune tše 88.

A ka tlatše diphuthelwana tše kae?







Sepedi G3 B2 Num Gr3-113-128 TWS/TED.indd 111 2014/07/02 1:56 PM

Letšatšikgwedi:

121

Dipatrone tša dinomoro: di-4 go fihla go 1 000

A re baleng ka di-4 go tloga go 804 go fihla go 900.

801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900

Dinomoro tše di diretšwego sediko di re laetša patrone efe?

Tše di diretšwego sediko ka botalamorogo:	Go bala ka di _____.
Ngwala patrone	
Tše di diretšwego sediko ka phepholo:	Go bala ka di _____.
Ngwala patrone	

Bala.

a. 872 + 4 + 4 + 4 = ____	b. 821 − 4 − 4 − 4 = ____	c. 840 + 4 + 4 = ____
d. 836 − 4 − 4 − 4 − 4 = ____	e. 885 + 4 = ____	f. 845 − 4 − 4 = ____
g. 803 + 4 + 4 + 4 = ____	h. 813 − 4 = ____	i. 847 − 3 − 3 − 3 = ____

Papetla ya dinomoro tše: 901 go fihla go 1 000.

901		903	904	905		907	908	909	
911	912	913		915	916	917		919	920
921		923	924	925		927	928	927	
931	932	933		935	936	937		939	940
941		943	944	945		947	948	949	
951	952	953		955	956	957		959	960
961		963	964	965		967	968	969	
971	972	973		975	976	977		979	980
981	982	983	984	985		987	988	989	
991	992	993		995	996	997		999	1 000

Ngwala dinomoro tše di tlogetšwego.

Khalara poloko ya dinomoro tše di tlogetšwego ka botalalerata. Khalara dipoloko tše tšhweu ka bohubedu. Na o bona patrone efe?

Feleletša dipatrone.

a. Oketša 980 ka di-4 tše 4.	984, 988, 992, 996
b. Oketša 971 ka di-4 tše 5.	_____
c. Ntšha di-4 tše 4 mo go 963.	_____
d. Ntšha di-4 tše 3 mo go 927.	_____
e. Oketša 938 ka di-4 tše 2.	_____

Teacher:
Sign:
Date:

Sepedi G3 B2 Num Gr3-113-128 TWS/TED.indd 112 2014/07/02 1:56 PM

122

Letšatšikgwedi: .....

Dikarolo tša go lekana tša karolomoka

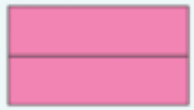
Seripagare se tee, o ka se sega ka mokgwa ofe goba ofe.



Sega dikhutlonnethwi tše dingwe go tšwa pampiring ya mmala (go tšwa go Sesegwa sa II).

Lemoga mekgwa ye mengwe ye e fapanego go dira seripagare.

1. Mena khutlonnethwi ya pampiri ka botelele gore e be seripagare. Sega pampiri ka bogare mo lemenong. Diripana tše ka moka di lekana ka bogolo. Seripana se sengwe le se sengwe ke seripagare sa ($\frac{1}{2}$) khutlonne ya motheo.
2. Mena pampiri ye nngwe khutlonnethwi ka seripagare mo go putlago. Sega pampiri e be seripagare mo lemenong. Se sengwe le se sengwe sa diripagare tše ke sa bogolo bja go lekana. Seripagare se sengwe le se sengwe ke seripagare se tee sa pampiri ya mathomong.
3. Mokgwa wo mongwe wa go arola pampiri ka dikarolo tše pedi tša go lekana ke ofe? Hlohlomiša ka pampiri le sekero gomme o thalathale mo mothalong moo o tlilego go dira lemeno, gomme o sege.







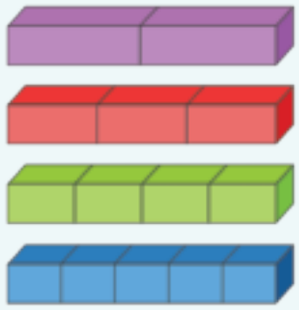
Diripa tše dingwe gape tša go lekana tša palotlalo.

Ge re arola selo go dira diripana tše 2 tša go lekana, diripana tšeo re di bitša diripagare.

Ge re arola selo go dira diripana tše 3 tša go lekana, diripana tšeo re di bitša diteetharong.

Ge re arola selo go dira diripana tše 4 tša go lekana, diripana tšeo re di bitša diteenneng.

Ge re arola selo go dira diripana tše 5 tša go lekana, diripana tšeo re di bitša diteehlanong.



Disangwetše tša nako ya letena.

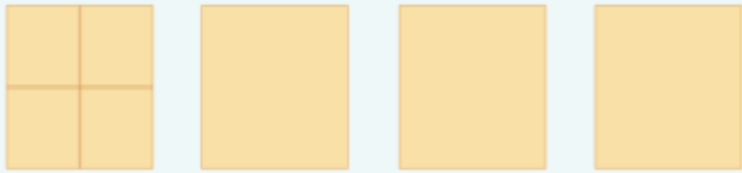
Rati le bagwera ba gagwe ba 3 ba dira disangwetše tše ntši tša nako ya letena.

Ba di ripaganya diteenneng goba dikotara.

Se se ra gore ba di ripa, ba dira tše nne tša go lekana.

Wo ke mokgwa wo mongwe. Laetša mekgwa ye mengwe ye 3 ya go dira se.

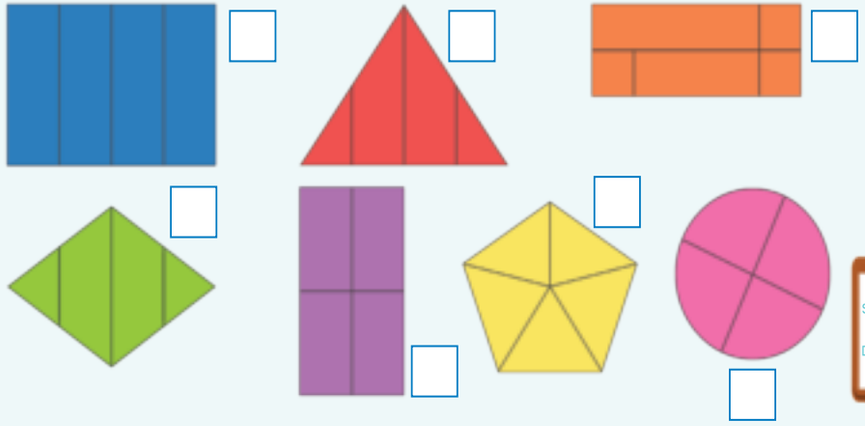




Go arola gomme gwa dirwa dinne.

Lekola!
Bapetša!
Lokiša!

Ge re sega selo ra dira dikotara ($\frac{1}{4}$s), dinne/diteenneng) re a se arola ra dira diripana tše 4 tša go lekana. Swaya (✓) diswantšho tša mo tlase tšeo di laetšago dikotara goba diteenneng.



Teacher:
Sign:
Date:

Sepedi G3 B2 Num Gr3-113-128 TWS/TED.indd 113 2014/07/02 1:56 PM

Sepedi G3 B2 Num Gr3-113-128 TWS/TED.indd 114 2014/07/02 1:56 PM

123

Letšatšikgwedi:

.....

Dipalo tša dipalophatlo



Boledišana le bagwera ba gago ka ga dipalophatlo.









Rarollang dipalo tše di latelago ka go araba dipotšišo le ka go dira dithalwa.

a. Mohlahli wa kgwele ya diatla o fa moraloki yo mongwe le yo mongwe seripagare sa namune. Go na le baraloki ba 14.

O swanetše go ba le dinamune tše kae? _____

Karabo ke eng? _____

Dinomoro goba dipalophatlo ke dife mo palong? _____

Lentšu le bohlokwa ke lefe? _____

Thala seswantšho.

Lentšu le bohlokwa ke lentšu leo le tlago go nthuša gore ke kgethe tshepedišo ya maleba.



Karabo ke eng? _____

b. Mma o file nna le bagwera ba ka ba lesometee yo mongwe le yo mongwe kotara ya apola. O swanetše go ba le diapola tše kae? _____

Dinomoro goba dipalophatlo ke dife mo palong? _____

Lentšu le bohlokwa ke lefe? _____

Thala seswantšho.



Karabo ke eng? _____

c. Mo moletlong wa sekolo ba rekišitše dikhekhe tše di ntšhitšwego diripa tše tharo ye nngwe le ye nngwe.

Ba rekišeditše batho ba 24 karolwana ya khekhe.

Ba rekišitše dikhekhe tše kae? _____

Dinomoro goba dipalophatlo ke dife mo palong? _____

Lentšu le bohlokwa ke lefe? _____

Thala seswantšho.



Karabo ke eng? _____

Teacher:
Sign:
Date:

124

Letšatšikgwedi: .....

Dilo tša mahlakoretharo

Lebelela diswantšho.

Ke sehlopha sefe seo se laetšago dibolo, disilintere le mapokisi?



Hwetša diswantšho tše pedi tša se sengwe le se sengwe gomme o di mamaretše mo tlase.

Thalela karabo ya maleba.

a. Tamati e bopegile bjalo ka bolo-/lepokisi-/silintere.
b. Galase ya go nwela e bopegile bjalo ka bolo-/lepokisi-/silintere.
c. Puku e bopegile bjalo ka bolo-/lepokisi-/silintere.

Thwi le modikelela.

Dilo tše dingwe tše thata di na fela le dikgala tše phaphathi.
Tše dingwe di na le dikgala tša modikelela.

Silintere se na le dibopego tše pedi tša dipapetla le sebopego se tee sa morarela.	Khounu e tee e na le sebopego se tee sa papetla le se tee sa morarela.	Kgokolo e na fela le medikologa go ya mathoko ohle.

Go kgokologa.

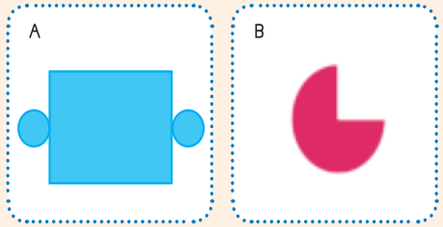
Nagana ka ga gore silintere, khounu goba kgokolo e ka kgokologa bjang.

Mo go dilo tše 3, ke efe yeo e:

a. ka se kgokologelego kgole?	
b. ka kgokologago ka mothalo wo o sepelago thwi?	
c. ka kgokologelago thoko efe goba efe?	

Na lelokwa ke eng?

Sebopego sa papetla seo se ka menegago go dira sethata se bitšwa lelokwa.



Ngwala tlhaka ya lelokwa yeo e ka menegago go dira khounu. _____

Ngwala tlhaka ya lelokwa yeo e ka menegago go dira silintere. _____

Teacher:
Sign:
Date:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

125

Letšatšikgwedi: .....

Dipalophatlo tše dingwe gape

Efa maina a dipalophatlo.

Ngwala palophatlo tša diswantšho tša mo tlase.



a. Ke palophatlo efe yeo e lego ye khubedu? _____



b. Ke palophatlo efe yeo e lego ye talamorogo? _____



c. Ke palophatlo efe yeo e lego ye talalerata? _____



d. Ke palophatlo efe yeo e lego ye serolane? _____

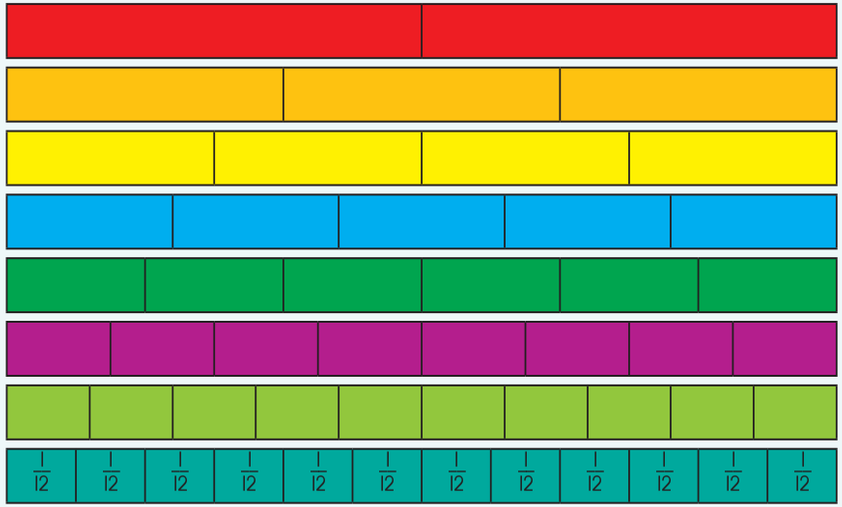
Araba dipotšišo.

a. Tumišo o na le ditsekana tše nne tša tšhokolete. O fa mogwera wa gagwe setsekana se tee. O šaletšwe ke palophatlo ye kaakang ya ditšhokolete? _____

b. Yasmin o na le dinamune tše pedi. E tee o e arogana le Ann. O šaletšwe ke palophatlo ye kaakang? _____

c. Boati o reka diphaphathi tše 5 tša tšhokolete. O ipeela e tee, a fa Mohamed le kgaetšedi ya gagwe tše 2 mongwe le mongwe. Boati o ipeetše palophatlo ye kaakang? _____

Go arola leboto ka dipalophatlo.



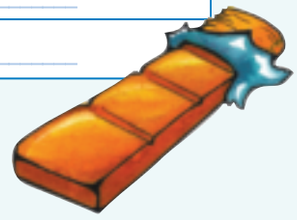
Mothalo wo mongwe le wo mongwe o arotšwe ka dikarolo tša go lekana. Mothalo wa ka tlase o arotšwe ka ditee-somepeding ($\frac{1}{12}$). Phara setlankana methalong ye mengwe ka palophatlo ya maleba.

Šomiša rula ya gago goba morumothwi go bona gore ke dipalophatlo dife tšeo di lekanago, gomme, gore o thušege, araba dipotšišo tše.

Ka go šomiša leboto le le arogantšwego ka dipalophatlo, hwetša mekgwa ye e fapanego ya go dira:

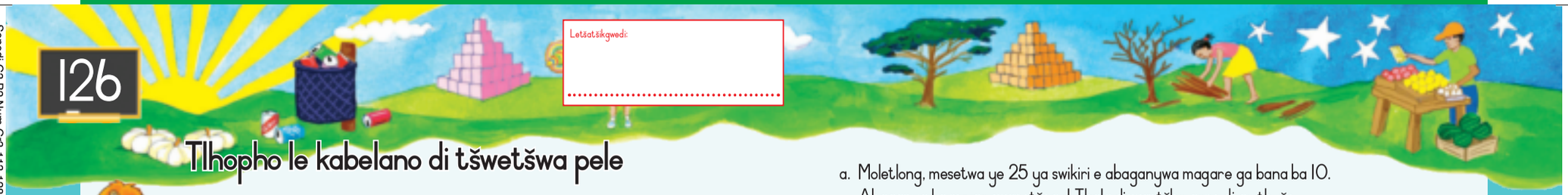
a. Seripagare se tee $\frac{1}{2}$	_____
b. Palotlalo e tee (1)	_____
c. dikotara tše tharo $\frac{3}{4}$	_____

Lekola!
Bapetša!
Lokiša!



Teacher:
Sign:
Date:

Sepedi G3 B2 Num Gr3-113-128 TWS/TED.indd 116 2014/07/02 1:56 PM



126

Letšatšikgwedi:

Tlhopho le kabelano di tšwetšwa pele



Dipalelo tša ka lebelo.



Nyaka dikgokanyi.

30 ÷ 3 = ____	15 ÷ 3 = ____	60 ÷ 3 = ____	600 ÷ 3 = ____
150 ÷ 3 = ____	24 ÷ 4 = ____	24 ÷ 8 = ____	240 ÷ 4 = ____
120 ÷ 4 = ____	12 ÷ 4 = ____	40 ÷ 10 = ____	40 ÷ 5 = ____
400 ÷ 10 = ____	400 ÷ 5 = ____	200 ÷ 5 = ____	18 ÷ 2 = ____
36 ÷ 2 = ____	72 ÷ 2 = ____	72 ÷ 4 = ____	72 ÷ 8 = ____

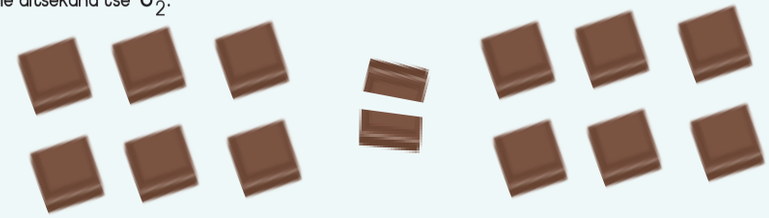


Abaganya mašaledi.

Mogoroši le Molelo ba nyaka go abagana ditsekana tše 13 tša tšhokolete. Yo mongwe le yo mongwe o hwetša ditsekana tše kae?



Ba ka kgona fela go abagana dikwere tše 12 tše di feletšego. Mongwe le mongwe o hwetša tše tshela. Setsekana se se šetšego ba se arola diripa tše pedi tša go lekana. Ka fao, yo mongwe le yo mongwe o ba le ditsekana tše $6\frac{1}{2}$.



a. Moletlong, mesetwa ye 25 ya swikiri e abaganywa magare ga bana ba 10. Abaganya ka mo go swanetšego! Thala diswantšho gore di go thuše.



Yo mongwe le yo mongwe o hwetša mesetwa ye _____.

b. Abaganya mesetwa ye 37 magare ga bana ba 4.

Yo mongwe le yo mongwe o hwetša mesetwa ye _____.

c. Abaganya mesetwa ye 48 magare ga bana ba 5.

Yo mongwe le yo mongwe o hwetša mesetwa ye _____.

d. Abaganya mesetwa ye 73 magare ga bana ba 10.

Yo mongwe le yo mongwe o hwetša mesetwa ye _____.

Teacher:
Sign:
Date:

Letšatšikgwedi:

127

Dipalophatlo tša thenekramo

Thenekramo ke phasele ya kgale ya Matšhaena ye e bopilwego ka dibopego tša go fapana tša phaphathi, tše di bitšwago dithene. Ka moka di kopanywa go hlama dibopego tša go fapana





Dipalophatlo ka go thenekramo.

	Lebelela phasele ya thenekramo. Ke palophatlo efe ya sekwere se se feletšego yeo e lego ye nngwe le ye nngwe ya dikhutlotharo tše pedi tše kgolo? (Pinki mo seswantšhong.)	____
	Ge o ka mena se sengwe sa dikhutlotharo tše kgolo, wa dira diripana tše pedi tša go lekana, seripana se sengwe le se sengwe se lekana le khutlotharo ya bogolo bja magareng (Serolane mo seswantšhong). Ke palophatlo efe ya sekwere se se feletšego yeo e lego ye nngwe le ye nngwe ya dikhutlotharo tša magareng?	____
	Ge o ka mena se sengwe sa dikhutlotharo tše kgolo, wa dira diripana tše pedi tša go lekana, seripana se sengwe le se sengwe se lekana le khutlotharo ya bogolo bja magareng (Talalerata mo seswantšhong). Ke palophatlo efe ya sekwere se se feletšego yeo e lego ye nngwe le ye nngwe ya dikhutlotharo tše nnyane?	____
	O ka bea mmogo dikhutlotharo tše pedi tše nnyane, ga hlama sekwere. Ke palophatlo efe ya sekwere se se feletšego yeo e lego sekwere se sennyane?	____
	O ka bea mmogo dikhutlotharo tše pedi tše nnyane, wa hlama paralelokramo. Ke palophatlo efe ya sekwere se se feletšego yeo e lego paralelokramo?	____



Go šomiša thenekramo.

Sega dithenekramo tše pedi go tšwa go Sesegwa sa bo-12 gomme o phare setlankana go seripana se sengwe le se sengwe le bopalophatlo bja sona bja sekwere se se feletšego. (Tše ke dibopego tša dithenekramo tša motheo.)

Mamaretša leina la gago ka morago ga seripana se sengwe le se sengwe bofelong bja papadi.

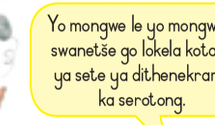


Papadi ya dipalophatlo ya dikabelo, ya go se jeletše.

Bapala le baraloki ba 4-8, o šomiša diripana tša thenekramo ya gago.

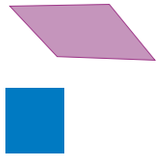


1. Baraloki ba šielana go ba mogwebi.
2. Mogwebi o tšea sephetho sa gore ke palophatlo efe ya thenekramo ye e feletšego yeo moraloki yo mongwe le yo mongwe a swanetšego go e lahlela ka serotong.
3. Moraloki yo mongwe le yo mongwe o tla dira sebokuboku sa go re khoine e tla wa, ya iša lehlakore lefe godimo/tlase. Gona fao mogwebi o tla dikološa khoine.
4. Ka morago mogwebi o abaganya se se lego ka serotong ka ntle le go jeletša, magareng ga bao ba nepilego. (A ka swanelwa ke go gwebišana ka seripa se tee goba go feta gore a hwetše diripana tša maemo a go lekana le a tša gagwe.)
5. Mašalela a go palago go a abaganya a šala ka serotong, a letile phadišano yeo e latelago.
6. Baraloki ka moka ba a lekola, go kgonthiša gore kabagano e dirwa ka tshwanelo.
7. Ge moraloki a ka bona phošo, mogwebi o a otlwa gomme a lefa $\frac{1}{8}$ ya sekwere se se feletšego, a lefa moraloki wa mathomo yoo a bonego phošo yeo.
8. Moraloki yo a se nago le diripana tša go bapala, a ka tšea tšeo di šetšego ka serotong.
9. Papadi e tšwela pele go fihla ge moraloki yo mongwe le yo mongwe a hweditše sebaka sa go ba mogwebi.

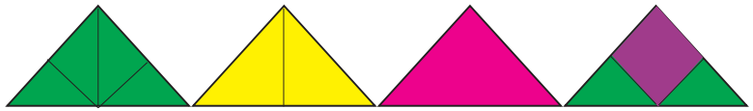
















Sepedi G3 B2 Num Gr3-113-128 TWS1TED.indd 118 2014/07/02 1:56 PM

128a

Letšatšikgwedi: .....

Go lekanyetša mothamo



Šomiša setšhelo sa lepotlelo la plastiki le komiki.



Komiki (250 ml)



Setšhelo sa 1 litara

O nagana gore setšhelo se se ka tlatšwa ke dikomiki tše kae?

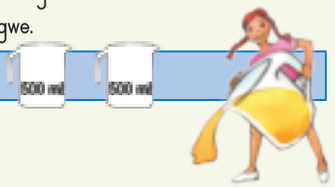
Ga go bohlokwa gore o bolele dilitara goba dimililitara. Šomiša fela mantšu a: 'komiki' le 'lepotlelo'.



Dira litara.

Hwetša mokgwa wa go dira litara o šomiša mabokaalo a a fapanago a diela.
Ngwala lefokopalo godimo ga mokgwa wo mongwe le wo mongwe.

Lefokopalo: 500 ml + 500 ml = 1 000 ml (1 ℓ)





Lefokopalo _____ = 1 000 ml (1 ℓ)

Lefokopalo _____ = 1 000 ml (1 ℓ)

Lefokopalo _____ = 1 000 ml (1 ℓ)

Lefokopalo _____ = 1 000 ml (1 ℓ)

Ge re ngwala dišupo tša metriki, re šia sekgoba se sennyane magare ga mono wa mafelelo le sešupo. Mohlala: re ngwala 3 ℓ e sego 3l; 299 g e sego 299g; 15 km e sego 15km.

Sepedi G3 B2 Num Gr3-113-128 TWS/TED.indd 119 2014/07/02 1:56 PM



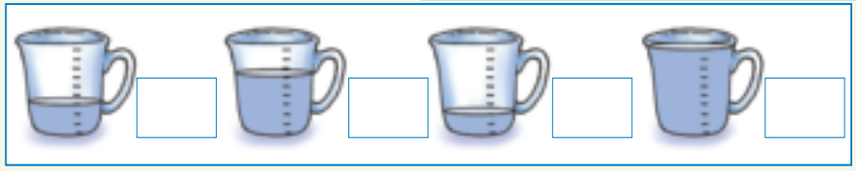
Volume ya komiki ye e tladitšwego ke komiki ye nngwe le ye nngwe, ke bokae?



Lehwana le tlatša komiki go fihla go sekgala sa mathomo.



Mothamo wa komiki ke 10 gomme volume ya komiki yeo e tletšego ke 1.





Re ela bokaalo bjo bonnyane bja seela ka dimilimitara (ml).

Komiki ye ya go ela sehlare e rwala 10 ml, yeo e ka bago bokaalo bja mahwana a teye a mabedi.

Re ela bokaalo bjo bontši ka litara e tee (ℓ).

Go na le dimililitara tše sekete ka go litara e tee.

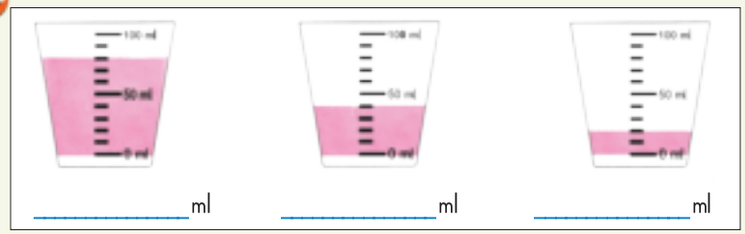






Seela ke se sekaakang?

Go na le dimililitara tše kae tša seela ka jekeng?

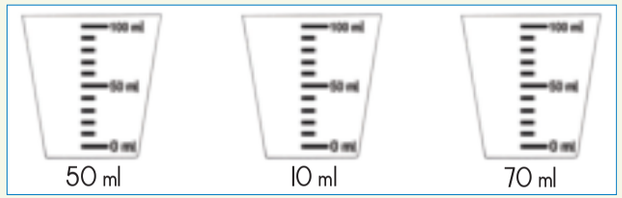


_____ ml _____ ml _____ ml



Seela ke se sekaakang?

Khalara dikomiki tša dihlare go bontšha bokaakang ka komiking ye nngwe le ye nngwe.



50 ml 10 ml 70 ml

Teacher:
Sign:
Date:



128b

Letšatšikgwedi:

Lekanyetša o tšhele



1 Papading.

Ka nako ya go khutša moraloki o nwa $\frac{1}{4}$ ya litara ya tšuse

a. Na ke baraloki ba bakae ba ba ka abelanago?

1 litara _____ 4 dilitara _____ 2 $\frac{1}{2}$ dilitara _____

b. Na ba nyaka tšuse ye kaakang go fa?

Baraloki ba 8 _____ Baraloki ba 9 _____ Baraloki ba 12 _____

2 Dilitara le dimililitara (ml).

1 litara = 1 000 ml $\frac{1}{2}$ sa litara = _____ ml $\frac{1}{4}$ ya litara = _____ ml

125 ml = _____ ya litara 50 ml = _____ ya dilitara

3 Dira seripagare sa litara.

Swaya (✓) bokaalo bja a 3 ao a dirago seripagare sa litara

120 ml	140 ml	160 ml	28 ml	240 ml
				

4 Maswi a go loketše!

Abang dilitara tše 4 tša maswi magare ga:

a. Bana ba 8 O tee o hwetša dilitara tše _____

b. Bana ba 16 O tee o hwetša dilitara tše _____

c. Bana ba 12 O tee o hwetša dilitara tše _____



5 Lebenkele la Tšuse la Tumišo.

Mo go jeke e tee (1), Tumišo o šomiša kotara e tee ($\frac{1}{4}$) ya komiki ya tšuse le dikomiki tše pedi (2) tša meetse.

Hwetša gore Tumišo o šomiša tšuse ye kae le meetse a makae go dira dijeke tše hlano (5) tša tšuse.

Dijeke	1	2	3	4	5
Dikomiki tša tšuse	Kotara e tee ($\frac{1}{4}$)				
Dikomiki tša meetse	2				

6 Dira litara.

50 ml	100 ml	200 ml	250 ml	500 ml
				

Na go mohuta wo mongwe le wo mongwe wa setšhelo ke ditšhelo tše kae, tše o di nyakago go dira litara?

a. _____ × 100 ml b. _____ × 200 ml c. _____ × 250 ml

e. _____ × 500 ml f. _____ × 50 ml

7 Ka morago ga moletlwana.



Moletlwana wa Thandi o fedile. Go na dino tše di šetšego.

Go šetše tšuse ye serolane ye kaakang? _____

Go šetše tšuse ye phepholo ye kaakang? _____

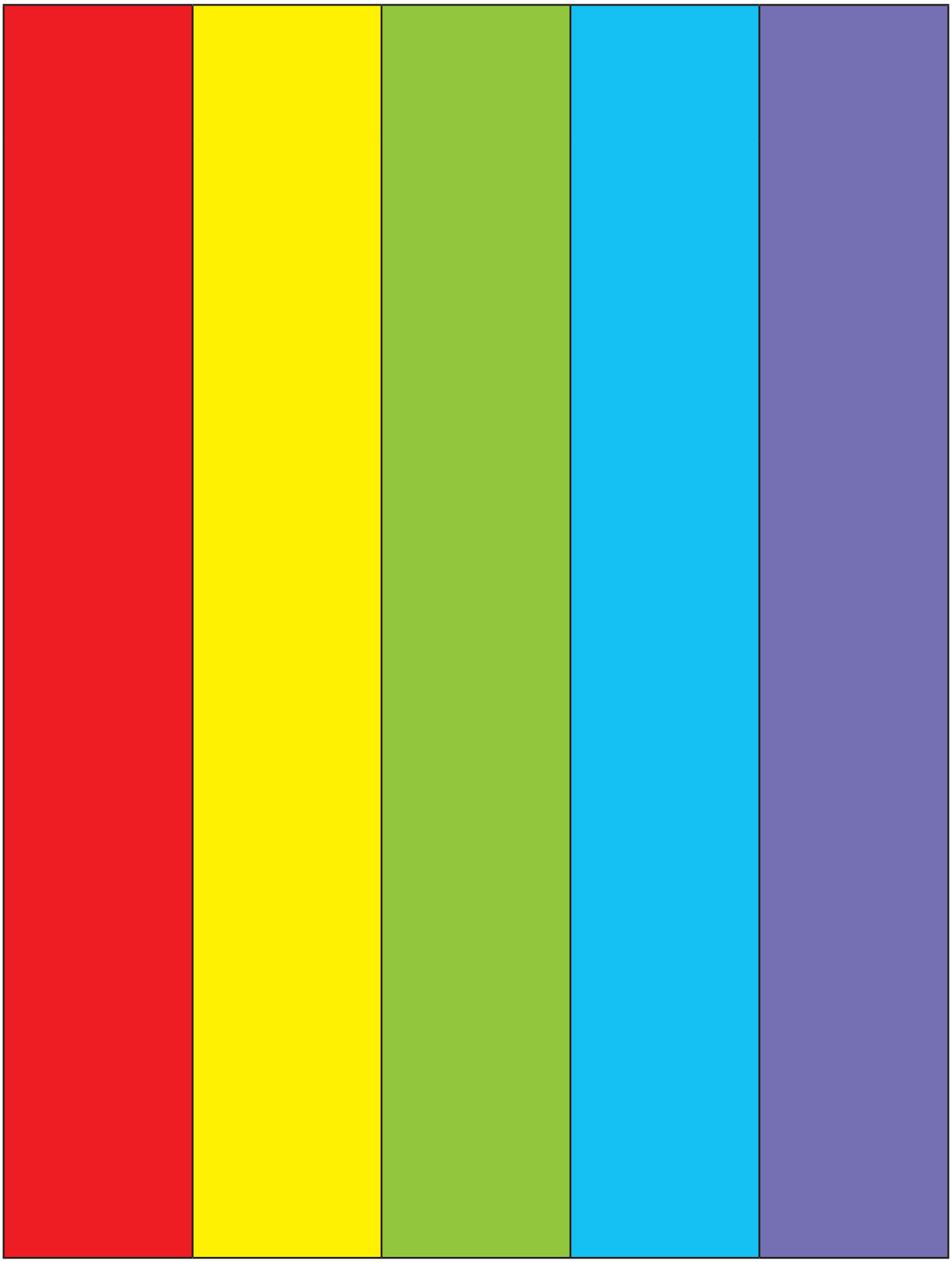
Thandi o tswaka ditšuse tše pedi.

A ka tlatša dijeke tše kae? _____

Lekola!
Bapetša!
Lokiša!

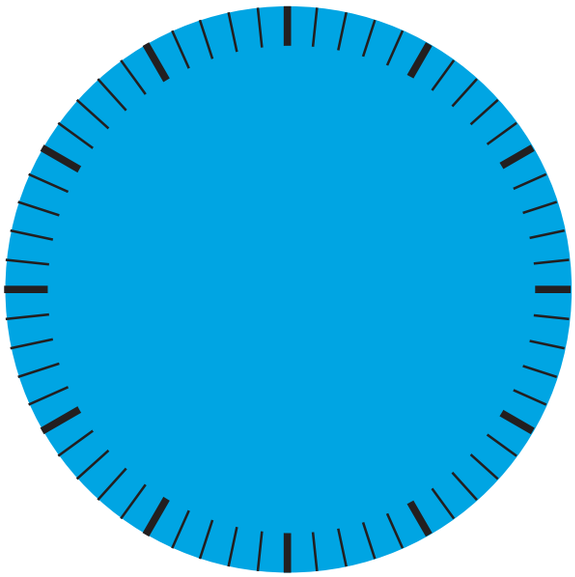
Teacher:
Sign:
Date:

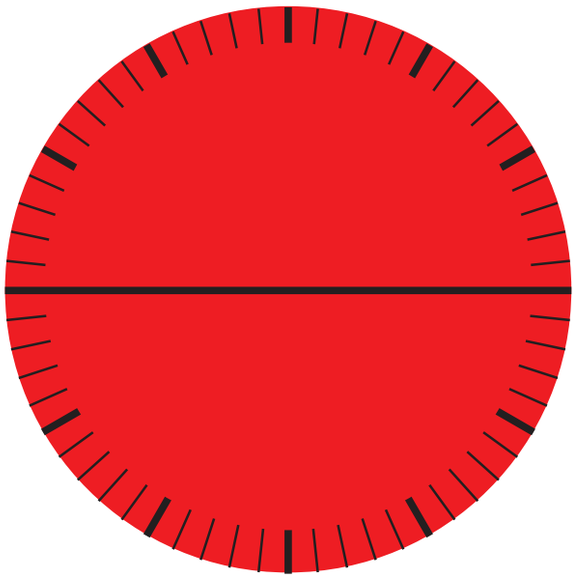
Sesegwa sa 5

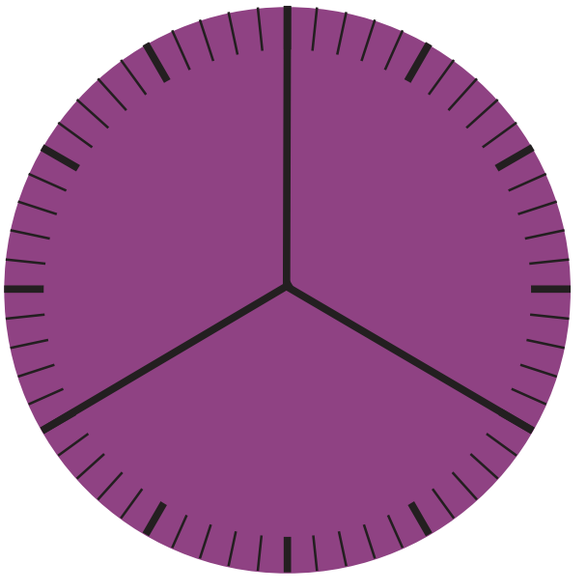


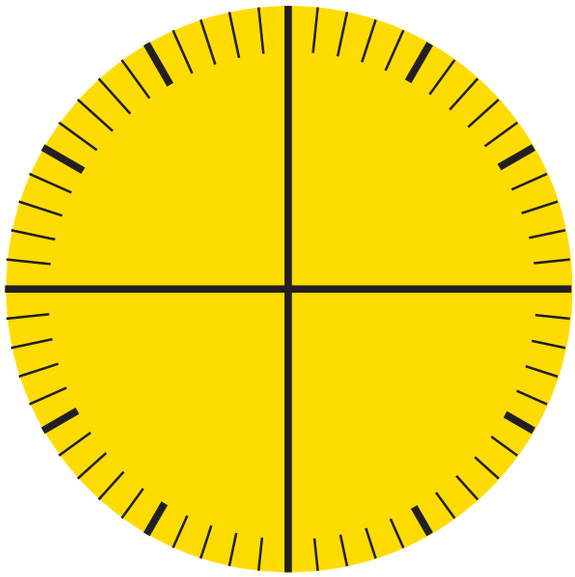
SEP MATHS G3 B2 9781431501526.indb 122 2014/07/02 9:50 AM

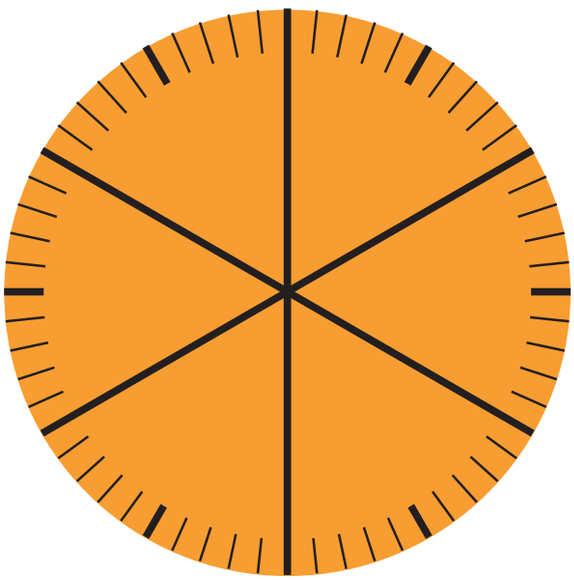
Sesegwa sa 6

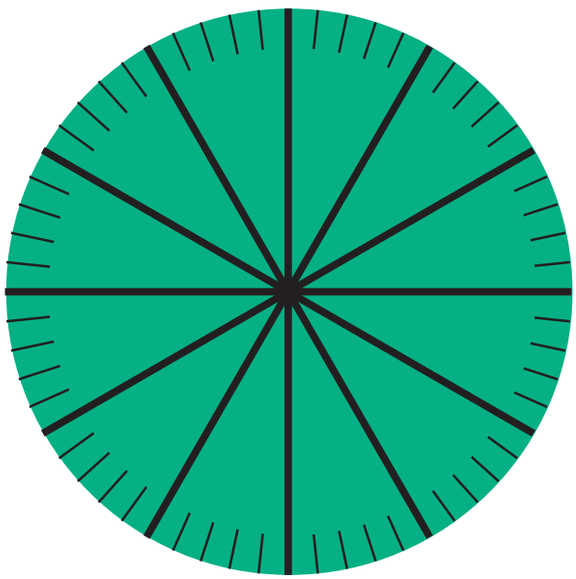




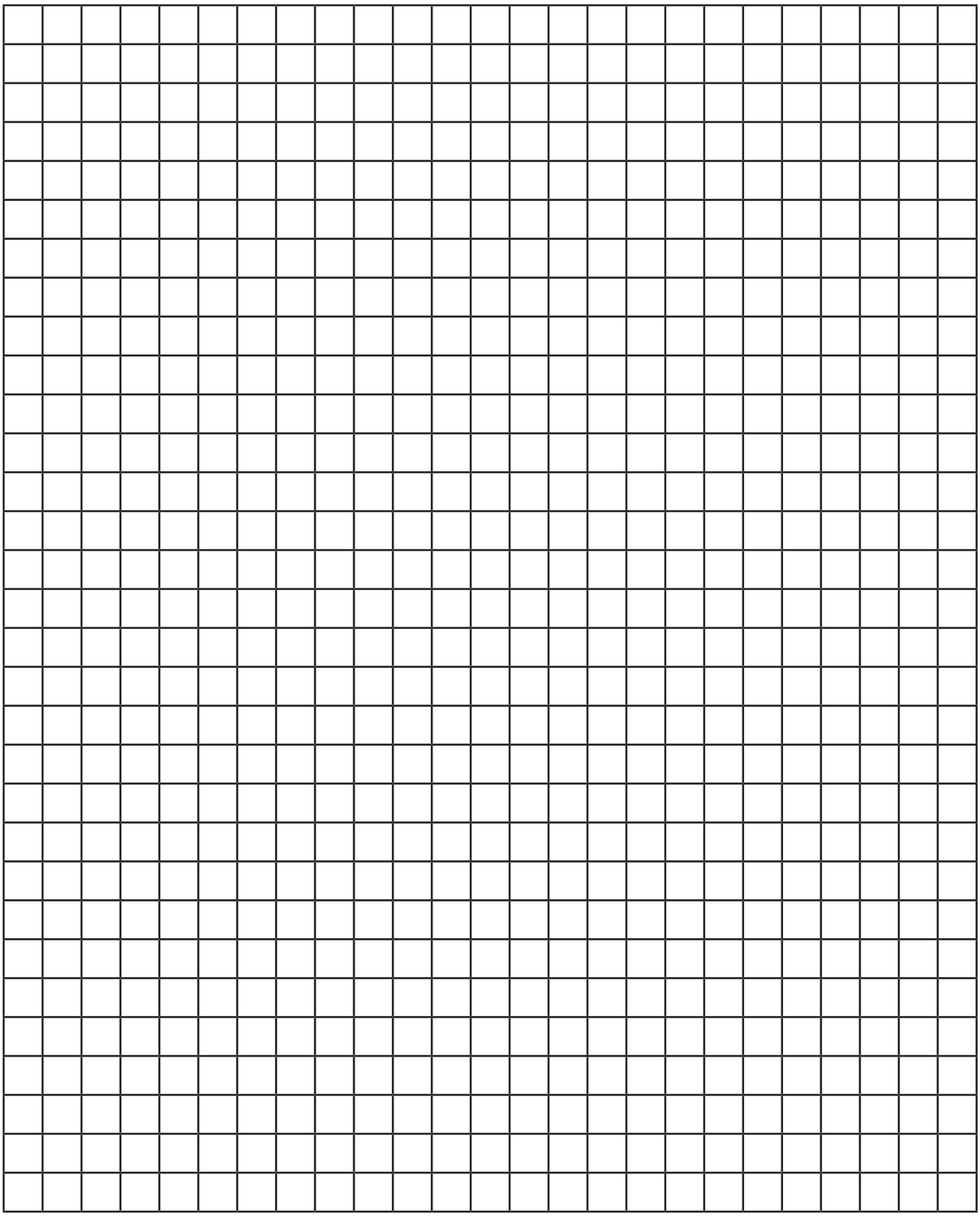






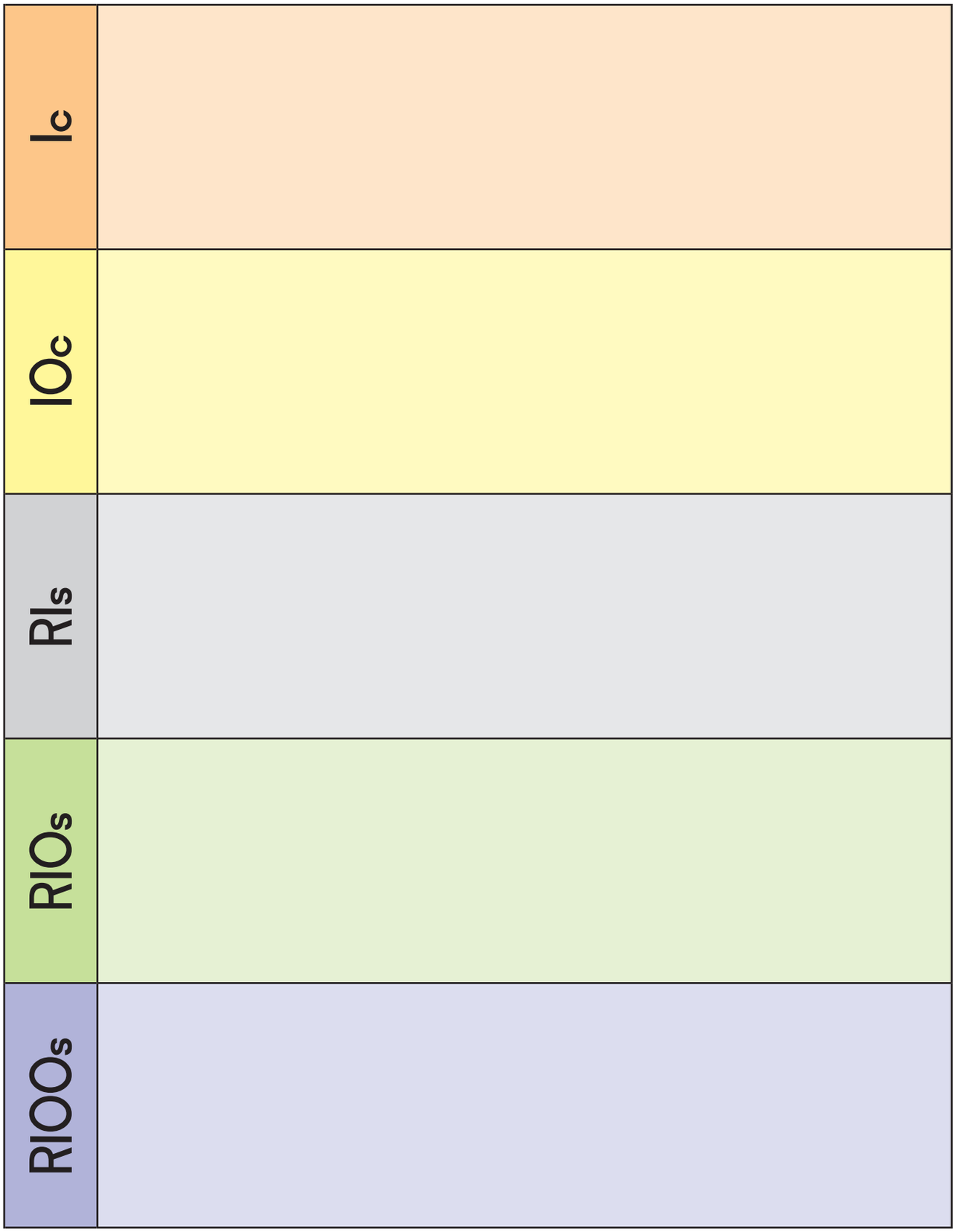


Sesegwa sa 7



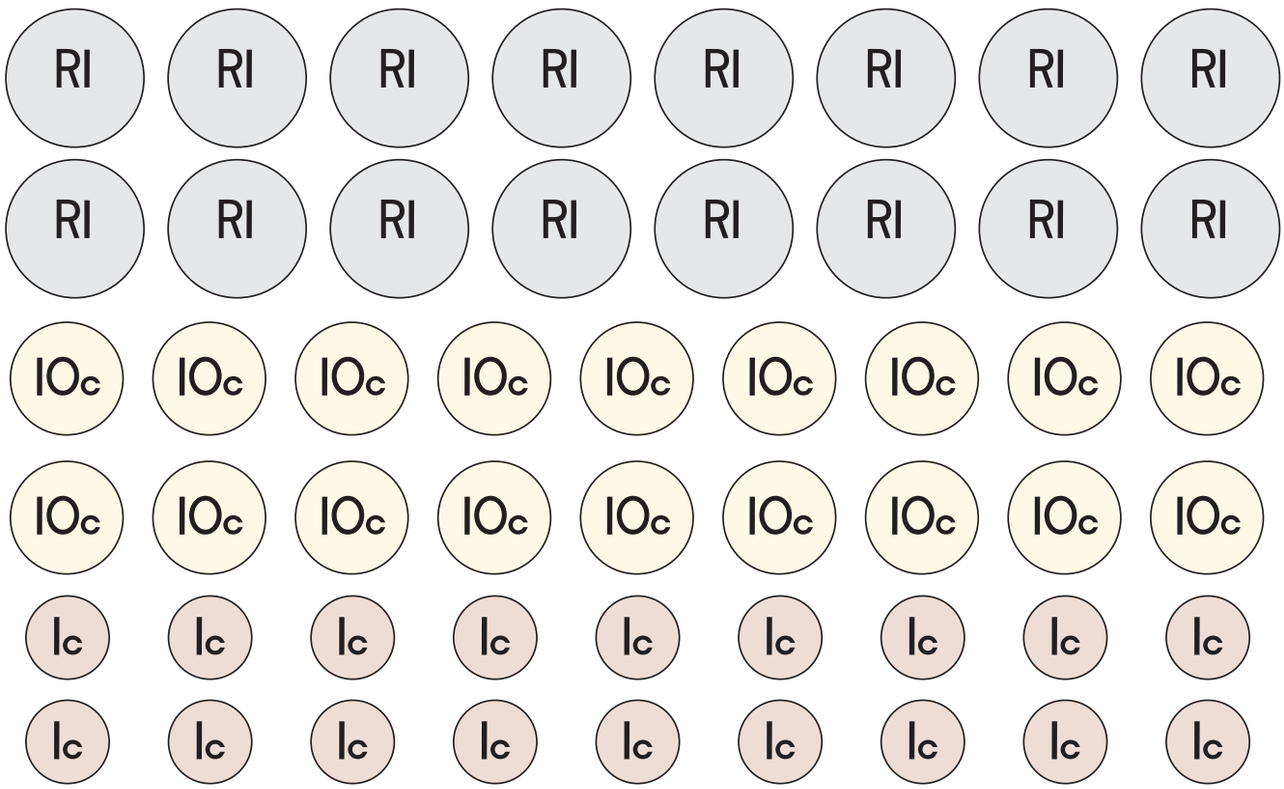
SEP MATHS G3 B2 9781431501526.indb 126 2014/07/02 9:50 AM

Sesegwa sa 8



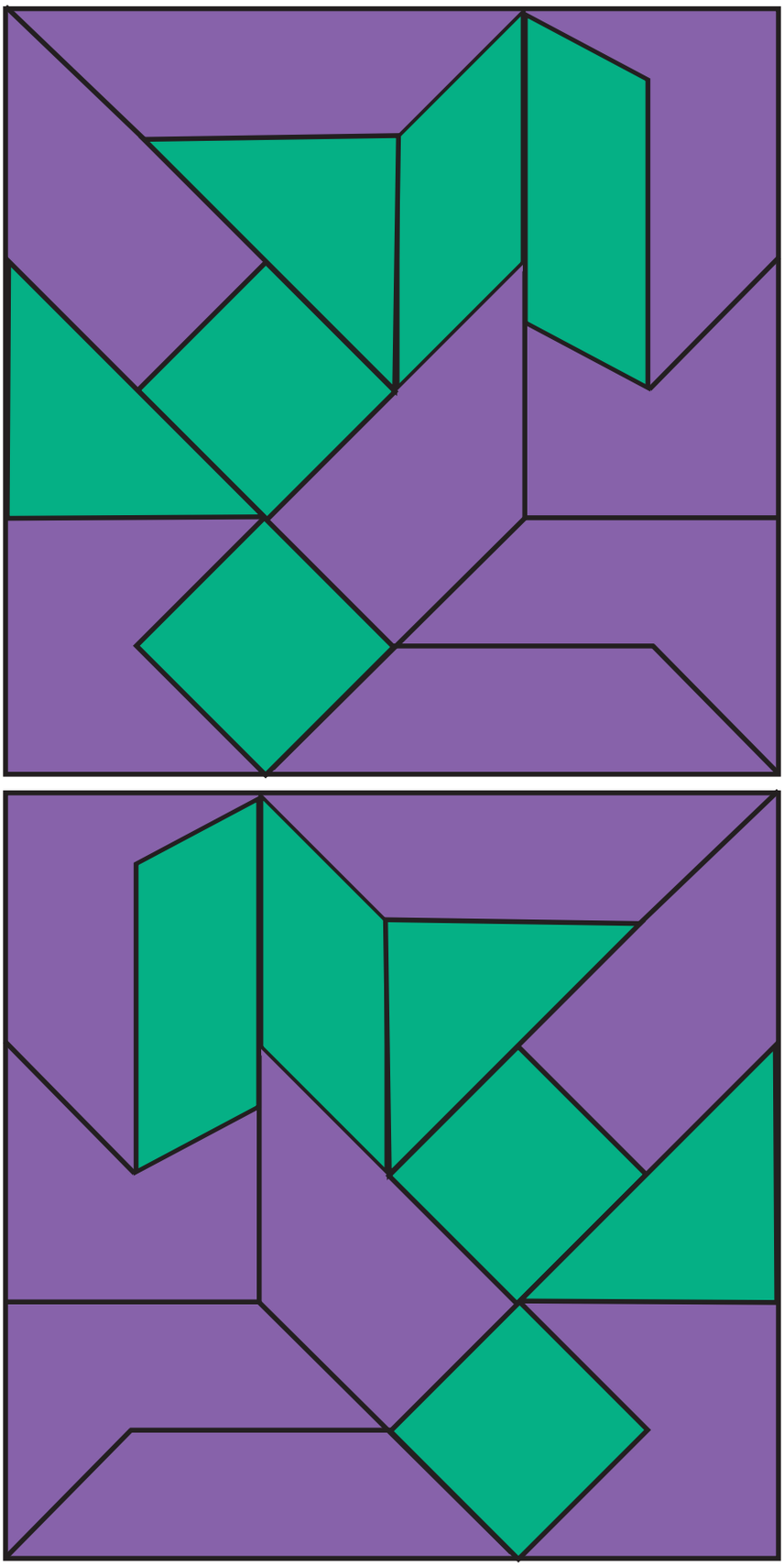
Sesegwa sa 9

RIOO	RIOO	RIOO	RIOO
RIOO	RIOO	RIOO	RIOO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO
RIO	RIO	RIO	RIO



SEP MATHS G3 B2 9781431501526.indb 130 2014/07/02 9:50 AM

Sesegwa sa 10



SEP MATHS G3 B2 9781431501526.indb 132 2014/07/02 9:50 AM