

Buka ya me ya Tiro gae (4)

Leina:

Ngwaga:

Sekolo:

Tlhomamiso

Bukana e ga e rekisiwe kgotsa go ka dirisetwa go nna le letseno. E dirisediwa feela tsa go tswelatsa go ithuta. O ka dira dikhopi tsa ditsebe fa o eletsa jalo.

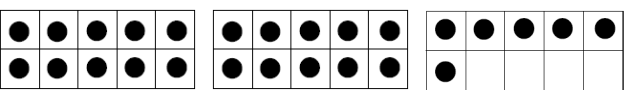
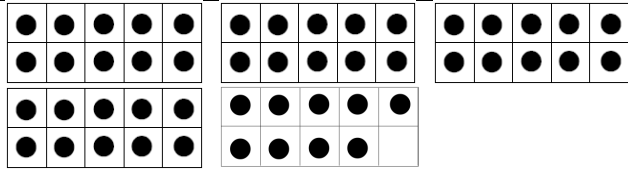
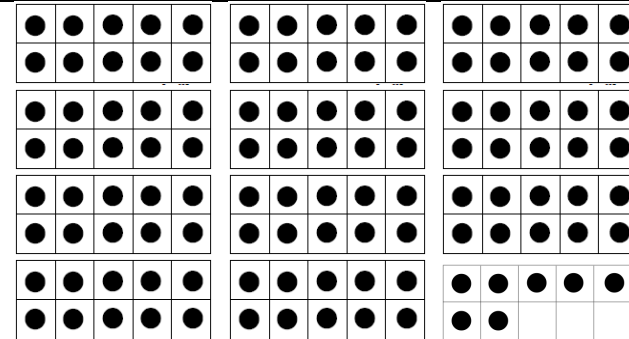
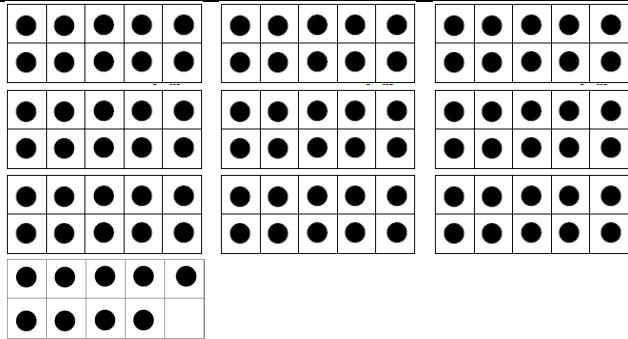
South African Numeracy Chair Project, Grahamstown, South Africa www.ru.ac.za/sanc

GO ATISA

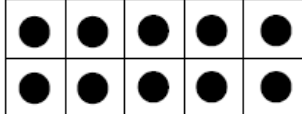
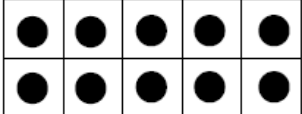
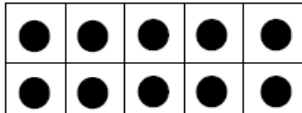
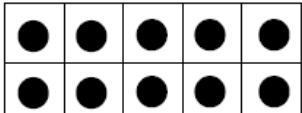
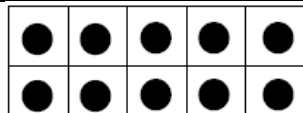
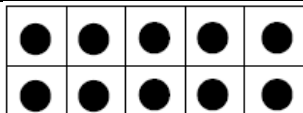
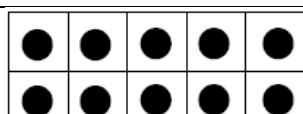
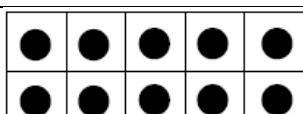
GO ATISA KA FOREIME YA LESOME

Kwala gore dikae. O kwale karabo ya go atiswa ka fa tlase ga palo nngwe le nngwe.

Dira go bontsha gore dikae gotlhelele? Kwala palo le karabo fa tlase.

<p>Sekai</p>  <p>$2 \times 10 + 6 = 26$</p>	 <p>_____ \times 10 + _____ =</p>
 <p>_____ \times 10 + _____ =</p>	 <p>_____ \times 10 + _____ =</p>

Kwala gore dikae fa o di kopanya.

<p>4 x </p> <p>Example: 4 x 10 dots = 40</p>	<p>5 x </p>
<p>5 x </p>	<p>10 x </p>
<p> x 2</p>	<p> x 3</p>
<p> x 6</p>	<p> x 4</p>

ATISA DIDOTO TSE DI RULAGANTSWENG FA TLASE (1)

SEKAI

Kholomo

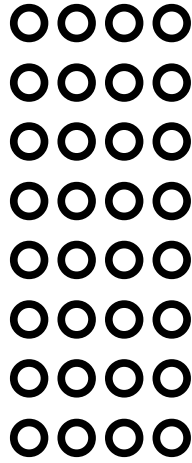


tema



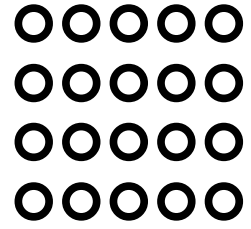
Ke tse kae? 21
 Ke bona tse
 Ke dikholomo tse 7 di na le di tema di le 3

Kwala palo ya go atisa:
 $7 \times 3 = 21$ OR $3 \times 7 = 21$



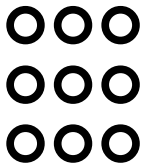
Ke tse kae?
 Ke bona tse

Kwala palo ya go atisa:



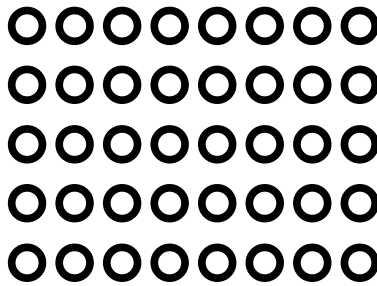
Ke tse kae?
 Ke bona tse

Kwala palo ya go atisa:



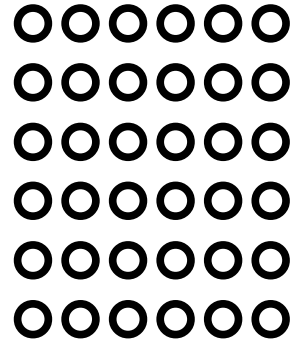
Ke tse kae?
 Ke bona tse

Kwala palo ya go atisa



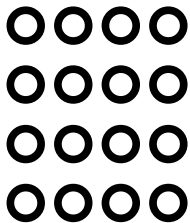
Ke tse kae?
 Ke bona tse

Kwala palo ya go atisa



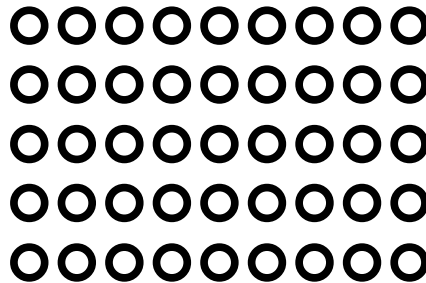
Ke tse kae?
 Ke bona tse

Kwala palo ya go atisa



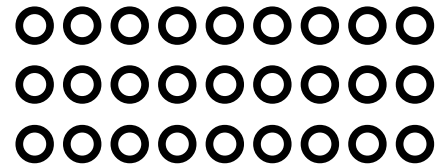
Ke tse kae?
 Ke bona tse

Kwala palo ya go atisa



Ke tse kae?
 Ke bona tse

Kwala palo ya go atisa



Ke tse kae?
 Ke bona tse

Kwala palo ya go atisa

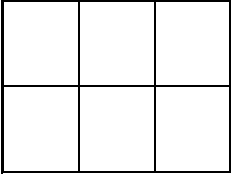
DIKWERE DI KAE?

SEKAI

Bolela gore wena, o di bona jang:

Ke bona dikholomo tse **2** le ditema tse **3** tsa sekwere

Ke bona dikholomo tse **3** le ditema tse **2** tsa dikwere



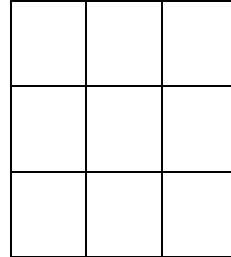
Sekeletsa dipalo tse di tlhalosang thulaganyo ya setshwantsho se.

$$2 \times 3 =$$

$$3 \times 3 =$$

$$3 + 3 + 3 =$$

$$3 \times 2 =$$



Sekeletsa dipalo tse di tlhalosang thulaganyo ya setshwantsho se.

$$3 \times 4 =$$

$$3 \times 3 =$$

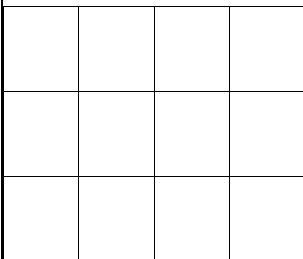
$$3 + 3 + 3 =$$

$$3 + 3 =$$

Bolela gore wena o di bona jang:

Ke bona ditema tse ____ tsa dikwere tse ____.

Ke bona dikholomo tse ____ tsa dikwere tse ____.



Sekeletsa dipalo tse di tlhalosang thulaganyo ya setshwantsho se.

$$3 \times 4 =$$

$$4 + 3 =$$

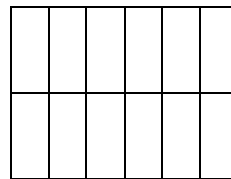
$$3 + 3 + 3 =$$

$$3 + 3 + 3 + 3 =$$

Bolela gore wena o di bona jang:

Ke bona di tema tse ____ tsa dikhutlonne tse ____.

Ke bona dikholomo tse ____ tsa dikhutlonne tse ____.



Sekeletsa dipalo tse di tlhalosang thulaganyo ya setshwantsho se.

$$2 \times 6 =$$

$$6 + 6 =$$

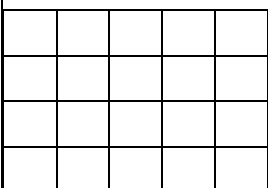
$$6 \times 2 =$$

$$6 + 6 + 6 =$$

Bolela gore wena o di bona jang:

Ke bona ditema tse ____ tsa dikhutlonne tse ____.

Ke bona dikholomo tse ____ tsa dikhutlonne tse ____.



Sekeletsa dipalo tse di tlhalosang thulaganyo ya setshwantsho se.

$$5 \times 4 =$$

$$4 + 5 =$$

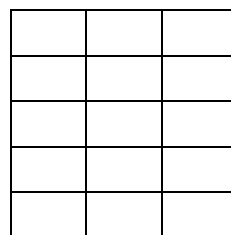
$$5 + 5 + 5 + 5 =$$

$$5 + 5 =$$

Bolela gore wena o di bona jang:

Ke bona ditema tse ____ tsa dikhutlonne tse ____.

Ke bona dikholomo tse ____ tsa dikhutlonne tse ____.



Sekeletsa dipalo tse di tlhalosang thulaganyo ya setshwantsho se.

$$3 \times 3 =$$

$$5 \times 4 =$$

$$3 + 3 + 3 + 3 + 3 =$$

$$3 + 3 =$$

GO DIRA KGAPETSA KGAPETSA TAFOLE YA GO ATISA KA (2, 3, 5 LE GO ATISA KA 10 (10 X TABLES)

4 x 2 = _____	6 x 5 = _____	8 x 3 = _____
6 x 2 = _____	4 x 5 = _____	4 x 2 = _____
9 x 2 = _____	5 x 5 = _____	6 x 2 = _____
7 x 2 = _____	8 x 5 = _____	9 x 10 = _____
5 x 2 = _____	10 x 5 = _____	4 x 5 = _____
2 x 2 = _____	7 x 5 = _____	2 x 10 = _____
10 x 2 = _____	9 x 5 = _____	7 x 5 = _____
4 x 3 = _____	10 x 10 = _____	7 x 2 = _____
8 x 3 = _____	6 x 10 = _____	2 x 5 = _____
3 x 3 = _____	4 x 10 = _____	10 x 3 = _____
6 x 3 = _____	9 x 10 = _____	7 x 3 = _____
10 x 3 = _____	5 x 10 = _____	9 x 2 = _____
7 x 3 = _____	8 x 10 = _____	4 x 3 = _____

JAANONG DIRA TIRO E KGAPETSA KGAPETSA MO DITEMANENG LE DIKHOLOMO TSA GO ATISA

X	1	2	3	4	5	6	7	8	9	10
1		2								
2										
3				12						
4						24				40
5						30				
10		20								100

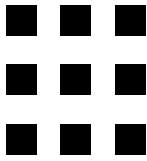
4 X 10 = 40
kgotsa
10 X 4 = 40

5 X 6 = 30
OR
6 X 5 = 30

GO ATISA (2)

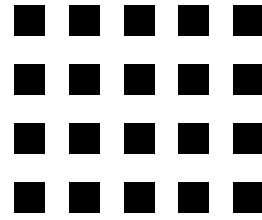
Kwala gore dikae, mme o kwale le palo e e atisiwang fa tlase.

Sekai



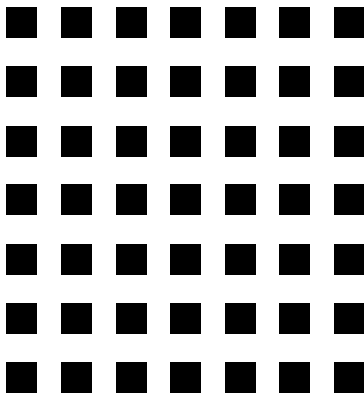
Di kae? **9**

Kwala dipalo tse i atisiwang: **$3 \times 3 = 9$**



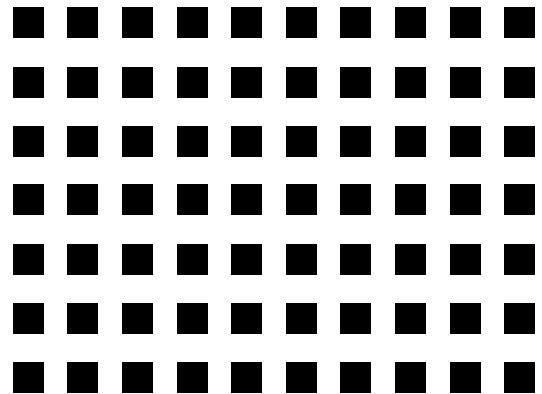
Di kae?

Kwala di palo tse di atisiwang:



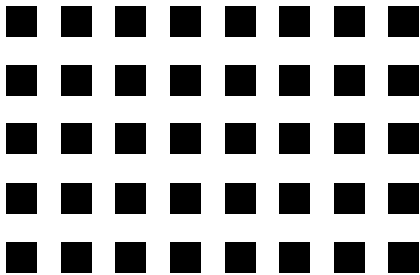
Di kae?

Kwala di palo tse di atisiwang:



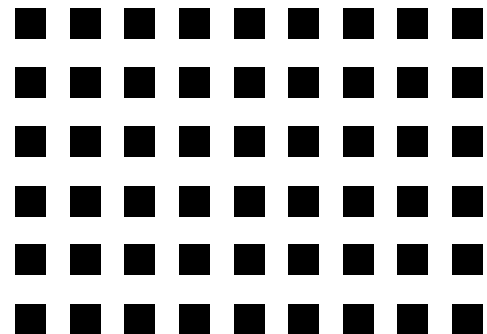
Di kae?

Kwala di palo tse di atisiwang:



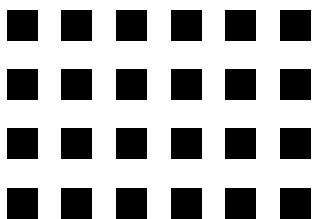
Di kae?

Kwala dipalo tse di atisiwang:



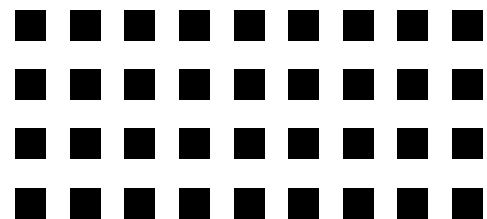
Di kae?

Kwala dipalo tse di atisiwang:



Di kae?

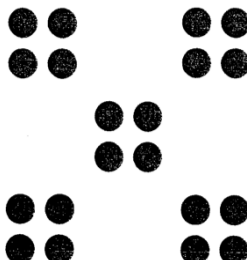
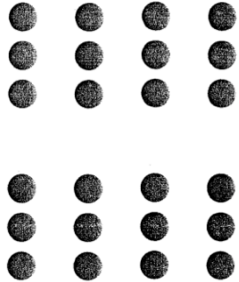
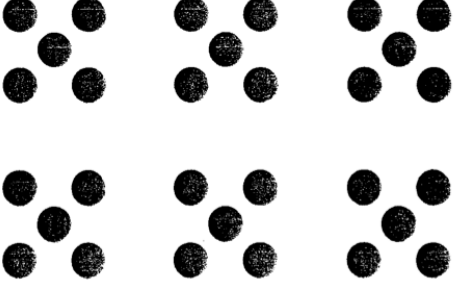
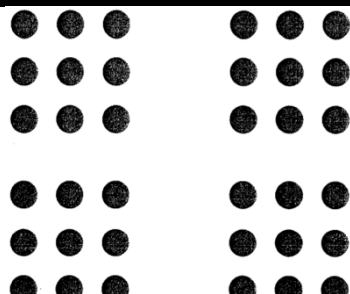
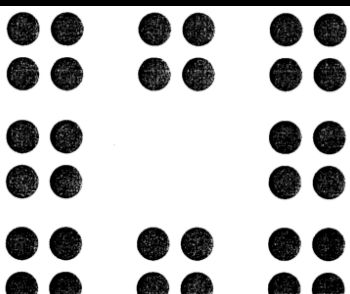
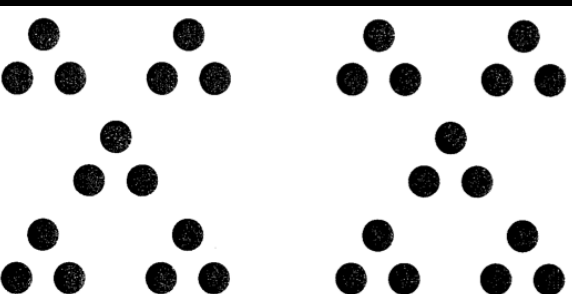
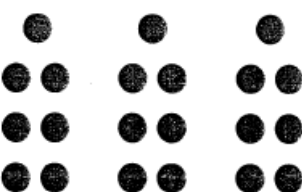
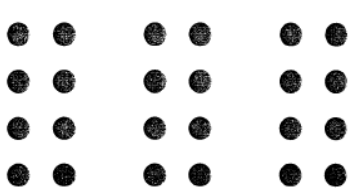

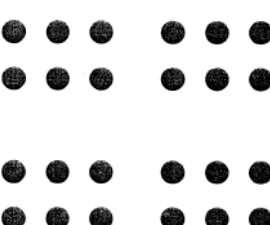
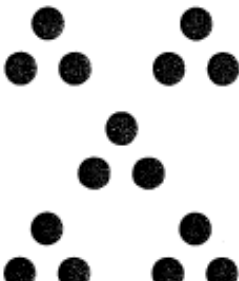
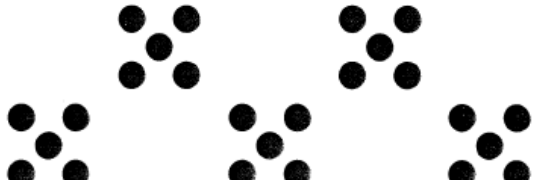
Kwala di palo tse di atisiwang:



Di kae?

Kwala di palo tse di atisiwang:

GO ATISA DIDOTO

<p style="text-align: center;">Sekai</p> 		
<p>Di kae? 20 Ke bona ditlhopa tse 5 tsa ga 4 Kwala dipalo tse di atisiwang: 5 x 4 = 20</p>	<p>Di kae? Ke bona Kwala dipalo tse di atisiwang:</p>	<p>Di kae? Ke bona Kwala dipalo tse di atisiwang:</p>
		
<p>Di kae? Ke bona Kwala dipalo tse di atisiwang:</p>	<p>Di kae? Ke bona Kwala dipalo tse di atisiwang:</p>	<p>Di kae? Ke bona Kwala dipalo tse di atisiwang:</p>
		
<p>Di kae? Ke bona Kwala dipalo tse di atisiwang:</p>	<p>Di kae? Ke bona Kwala dipalo tse di atisiwang:</p>	<p>Di kae? Ke bona Kwala dipalo tse di atisiwang:</p>
		
<p>Di kae? Ke bona Kwala dipalo tse di atisiwang:</p>	<p>Di kae? Ke bona Kwala dipalo tse di atisiwang:</p>	<p>Di kae? Ke bona Kwala dipalo tse di atisiwang:</p>

GO ATISA KA BONAKO

Atisa palo gangwe ka 1, ka le 10 le ka le 100

3	X 1	3	6	X 1		12	X 1	
	X 10	30		X 10			X 10	
	X 100	300		X 100			X 100	
4	X 1		8	X 1		16	X 1	
	X 10			X 10			X 10	
	X 100			X 100			X 100	
5	X 1		10	X 1		15	X 1	
	X 10			X 10			X 10	
	X 100			X 100			X 100	
2	X 1		4	X 1		8	X 1	
	X 10			X 10			X 10	
	X 100			X 100			X 100	
7	X 1		14	X 1		21	X 1	
	X 10			X 10			X 10	
	X 100			X 100			X 100	

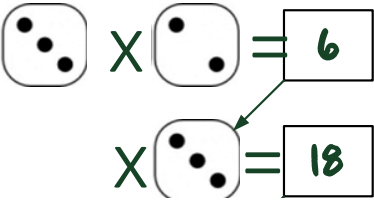
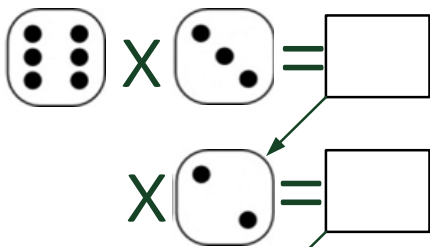
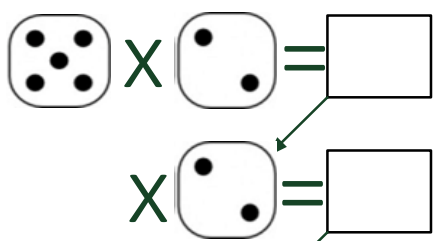
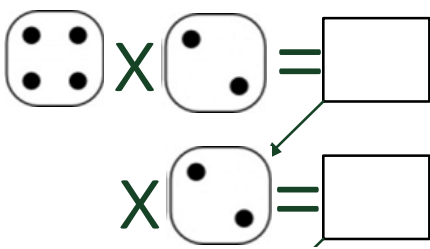
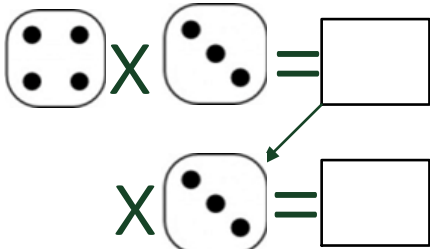
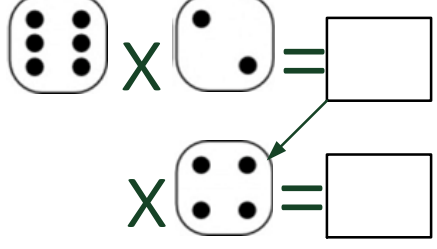
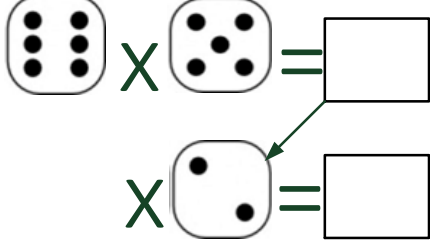
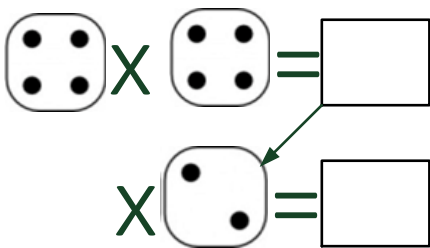
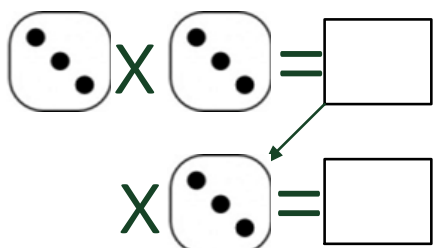
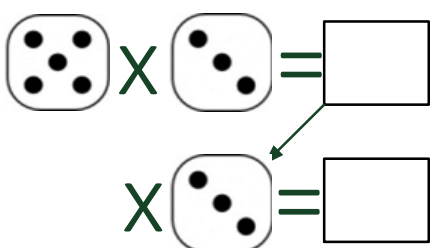
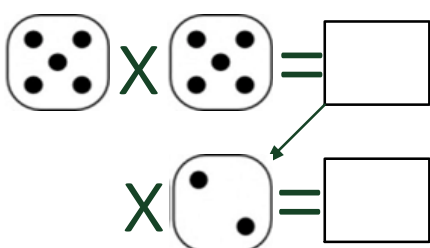
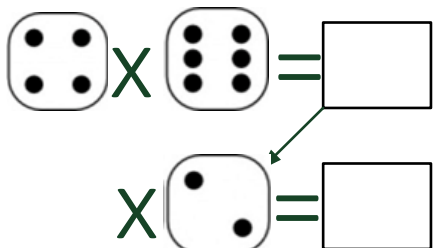
Bolela gore o itemogela eng fa o dira dipalo tse?

Dira dipalo tsa go atisa ka bonako mo dipalong tsa ditema le dikholomo.

x	5	3	2	x	3	5	4	x	4	5	2
10		30		15	60			5			
20				25				2		10	

GO ATISA DIDOTO

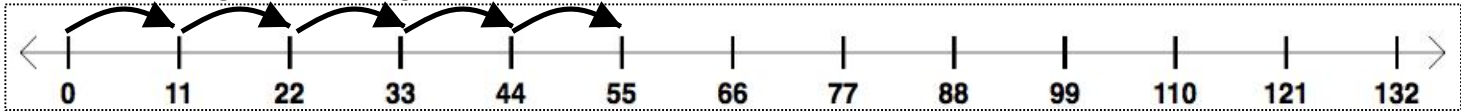
Atisa dipalo tse mo ditaeseng mme o kwale karabo. Mme o kwale le dipalo tse di atisiwang.

<p>Sekai</p>	 <p>$2 \times 3 = 6$ $6 \times 3 = 18$</p>		
			
			
			

MOLAPALO WA GO ATISA

Bala ka bo 11 go fitlha ko go **55**.

Bontsha ka marumo fa o ntse o bala.

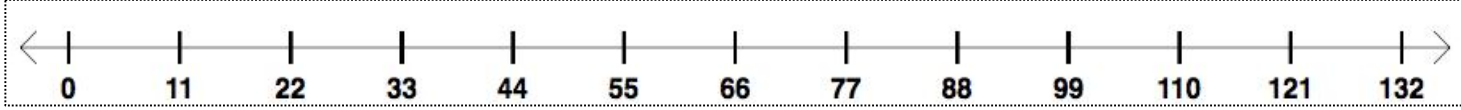


Sekai: $11 + 11 + 11 + 11 + 11 = 55$

$5 \times 11 = 55$

Jaanong bala ka bo 11 go fitlha go 99.

Bontsha ka marumo fa o ntse o bala.

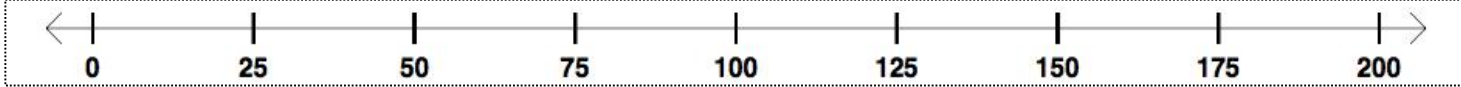


$11 + 11 + 11 + 11 + 11 + 11 + 11 + 11 + 11 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} \times 11 = 99$

Bala ka bo 25 go fitlha go 150.

Bontsha ka marumo fa o ntse o bala.

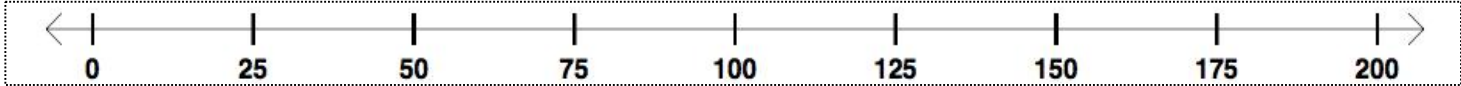


$25 + 25 + 25 + 25 + 25 + 25 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} \times 25 = 150$

Bala ka bo 25 go fitlha go **200**.

Bontsha ka marumo fa o ntse o bala.



Kwala dipalo tse di kopantsweng fa:

Bala ka bo 15 go fitlha go ura e le 1 (nngwe).

Bontsha ka marumo fa o ntse o bala.



Ura e le 1

Diura tse 2

$15m + 15m + 15m + 15m = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} \times 15m = 60m$

Bala ka bo 30 go fitlha kwa diureng tse pedi.



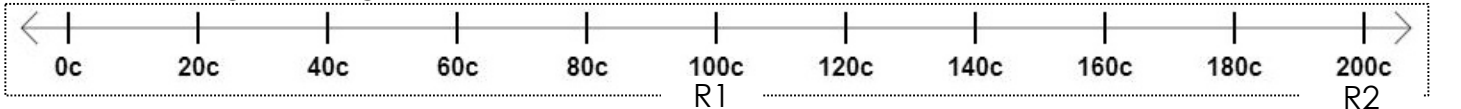
Ura e le 1

Diura tse 2

Kwala dipalo tse di kopantsweng fa:

Bala ka bo 20 go fitlha go R2.

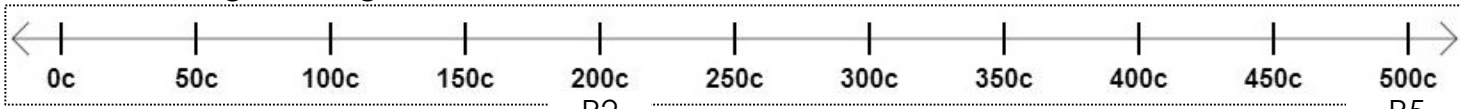
Bontsha ka marumo fa o ntse o bala.



Kwala dipalo tse di kopantsweng fa:

Bala ka bo 50 go fitlha go R5.

Bontsha ka marumo fa o ntse o bala.

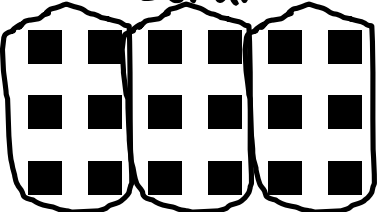
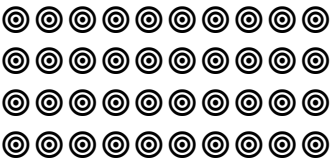
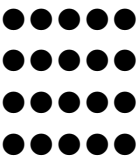
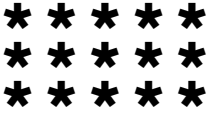

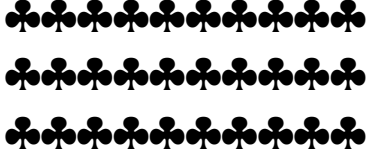
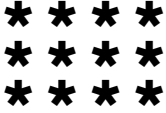

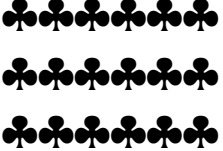


Kwala dipalo tse di kopantsweng fa:

GO AROLA

THULAGANYO YA GO AROLELANA (1)

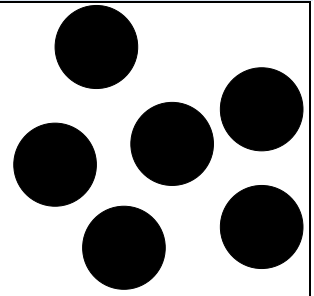
Kwala palo ya go arola

<p style="text-align: center;">Sekai</p>  <p>Dira ditlhopa tsa ga 6. Bontsha gore o kgaogantse jang dipopego tse.</p> <p>Ke bona ditlhopa tsa ga 3 di le 6.</p> <p>Ke tse kae? 18</p> <p>Kwala dipalo tse arolwang: $18 \div 3 = 6$</p>	 <p>Dira ditlhopa tsa ga 10. Bontsha gore o kgaogantse jang dipopego tse.</p> <p>Ke bona ditlhopa tsa ga ____ di le ____.</p> <p>Ke tse kae?</p> <p>Kwala dipalo tse di arolwang:</p>	 <p>Dira ditlhopa tsa ga 5. Bontsha gore o kgaogantse jang dipopego tse.</p> <p>Ke bona ditlhopa tsa ga ____ di le ____</p> <p>Ke tse kae?</p> <p>Kwala dipalo tse di arolwang:</p>
 <p>Dira ditlhopa sa ga 5. Bontsha gore o kgaogantse jang dipopego tse.</p> <p>Ke bona ditlhopa tse ____ tsa ga ____</p> <p>Ke tse kae?</p> <p>Kwala dipalo tse di arolwang:</p>	 <p>Dira ditlhopa tsa ga 9. Bontsha gore o kgaogantse jang dipopego tse.</p> <p>Ke bona ditlhopa tse ____ tsa ga ____</p> <p>Ke tse kae?</p> <p>Kwala dipalo tse di arolwang:</p>	 <p>Dira ditlhopa tsa ga 10. Bontsha gore o kgaogantse jang dipopego tse.</p> <p>Ke bona ditlhopa tse ____ tsa ga ____</p> <p>Ke tse kae?</p> <p>Kwala dipalo tse di arolwang:</p>
 <p>Dira ditlhopa tsa ga 6. Bontsha gore o kgaogantse jang dipopego tse.</p> <p>Ke bona ditlhopa tse ____ tsa ga ____</p> <p>Ke tse kae?</p> <p>Kwala dipalo tse di arolwang:</p>	 <p>Dira ditlhopa tsa ga 3. Bontsha gore o kgaogantse jang dipopego tse.</p> <p>Ke bona ditlhopa tse ____ tsa ga ____</p> <p>Ke tse kae?</p> <p>Kwala dipalo tse di arolwang:</p>	 <p>Dira ditlhopa tsa ga 6. Bontsha gore o kgaogantse jang dipopego tse.</p> <p>Ke bona ditlhopa tse ____ tsa ga ____</p> <p>Ke tse kae?</p> <p>Kwala dipalo tse di arolwang:</p>

GO AROLA JAAKA GO KGAOGANYA

Go na le didiriswa tsa go bala di le 6.

O na le ditsala di le 2. Tsala nngwe le nngwe ya gago e newa halofa ya didiriswa tsa go bala. Tsala nngwe le nngwe e tla newa di le kae?



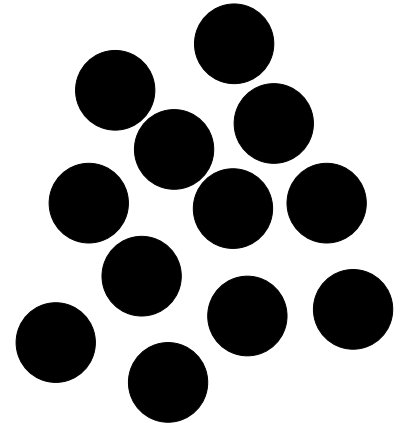
Jaanong di kgaoganyetse ditsala di le 3. Tsala nngwe le nngwe e tla newa di le kae?

Go na le didiriswa tsa go bala di le 12.

Di kgaoganyetse ditsala tse 2. Tsala nngwe le nngwe e tla newa di le kae?

Jaanong di kgaoganyetse ditsala di le 3. Tsala nngwe le nngwe e tla newa di le kae?

Jaanong di kgaoganyetse ditsala di le 4. Tsala nngwe le nngwe e tla newa di le kae?

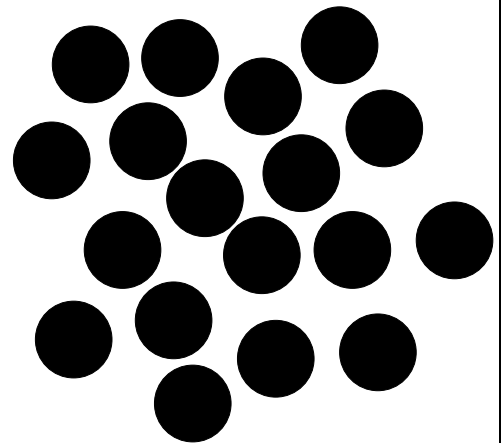


Di kae didiriswa tsa go bala tse o di bonang fa?

Di kgaoganyetse ditsala di le 2. Tsala nngwe le nngwe e tla newa di le kae?

Jaanong di kgaoganyetse ditsala di le 4. Tsala nngwe le nngwe e tla bona di le kae?

Jaanong di kgaoganyetse ditsala di le di 6. Tsala nngwe le nngwe e tla newa di le kae?



HALOFO YA DIPALO

Dira halofo ya dipalo tse ka bonako.

O itemogetse eng mo dikarabong tsa gago?

6	3	8		50		100	
60		80		500		1000	
4		12		40	20	90	
40		120		500		900	
10		14		16		18	
100		140		160		180	
20		22		24		26	
200		220		240		260	

KGAOGANYA DIPALO TSE KA 2

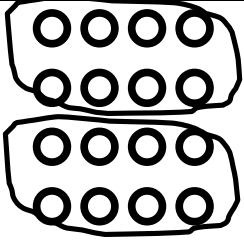
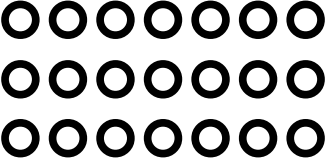
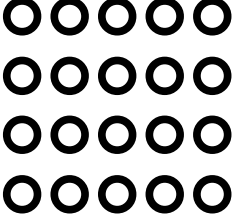
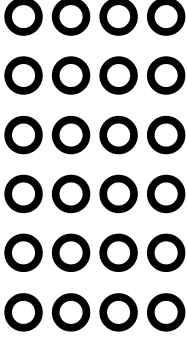
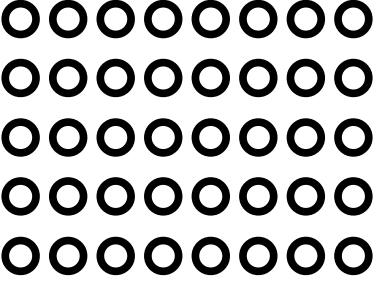
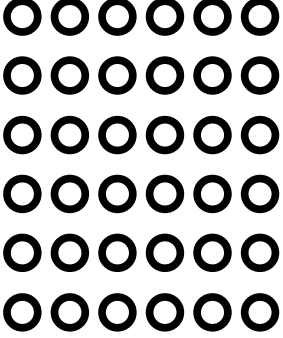
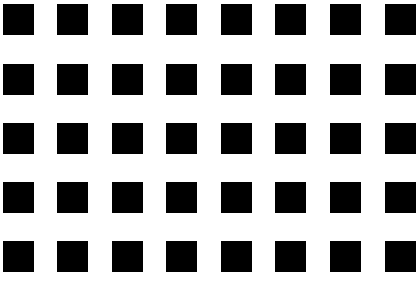
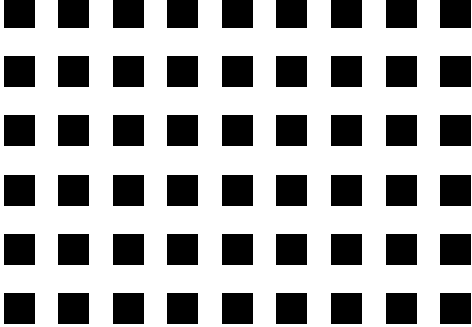
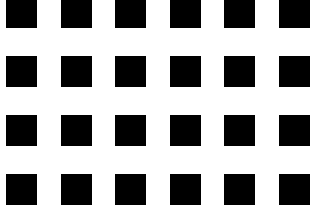
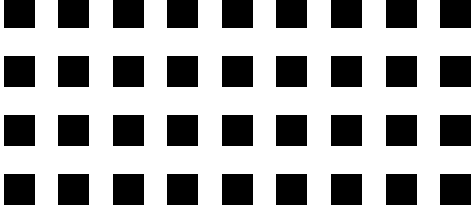
Kgaoganya dipalo tse ka 2.

O itemogetse eng ka dipalo tse le tse o di halofileng ka 2?

6	3	8		50		100	
60		80		500		1000	
4		12		40	20	90	
40		120		500		900	
10		14		16		18	
100		140		160		180	
20		22		24		26	
200		220		240		260	

THULAGANYO YA GO AROLELANA (2)

Bontsha gore o kgaoganya jang didiko le dikwere.

<p>Sekai</p>  <p>Kgaoganya ka bo 2 Ke tse kae?</p> <p>$16 \div 2 = 8$</p>	 <p>Kgaoganya ka bo 7 Ke tse kae?</p> <p>___ \div ___ = ___</p>	 <p>Kgaoganya ka bo 2 Ke tse kae?</p> <p>___ \div ___ = ___</p>
 <p>Kgaoganya ka bo 2 Ke tse kae?</p> <p>___ \div ___ = ___</p>	 <p>Kgaoganya ka bo 8 Ke tse kae?</p> <p>___ \div ___ = ___</p>	 <p>Kgaoganya ka bo 12 Ke tse kae?</p> <p>___ \div ___ = ___</p>
 <p>Kgaoganya ka bo 4 Ke tse kae? Kwala dipalo:</p>	 <p>Kgaoganya ka bo 3 Ke tse kae? Kwala dipalo:</p>	
 <p>Kgaoganya ka bo 3 Ke tse kae? Kwala dipalo:</p>	 <p>Kgaoganya ka bo 4 Ke tse kae? Kwala dipalo:</p>	