

Complementary Basic Education Primers (CBE)  
for the Cocoa Growing Communities in Ghana

The image contains three distinct mathematical exercises:

- Number Line:** A horizontal number line from 0 to 12. A large curved arrow starts at 0 and ends at 8. Below the line, the equation  $8 \div 2 = \square$  is written.
- Subtraction with Dots:** A green circle with 5 dots is shown with three arrows pointing to a yellow circle with 2 dots. Below this is the equation  $5 - 3 = 2$ . To the right, a blue circle with 2 dots is shown with an equals sign between the two circles.
- Number Sequence:** A sequence of colored circles: yellow (with antennae), blue (26), red (27), white (with a dash), green (29), white (with a dash), orange (with a dash), and pink (32).



International Labour Organisation  
Supported by: United States Department of Labor (USDOL)



GHANA EDUCATION SERVICE

SfL  
School for Life

DANGME NUMERACY  
**BOOK 1**

**Complementary Basic Education Primers (CBE)  
for the Cocoa Growing Communities in Ghana**

# **DANGME NUMERACY BOOK 1**



**International Labour Organisation**  
Supported by: United States Department of Labor (USDOL)



**Ghana Education Service**

**SfL**  
School for Life

## Acknowledgement

The materials were adapted from School for Life and translated into five Ghanaian languages (Akuapem Twi, Asante Twi, Fante, Ewe and Dangme) for use in the cocoa growing communities in Ghana.

We wish to acknowledge the following institutions and individuals for their support: School for Life; DFID, Ghana; GES (Basic Education Division); Mohammed M. Nasigli (GES, Tamale), Bawa Abubakar Sibdoo (Retired Educationist), R.M. Yahaya (Retired Educationist), Karimu A. Mohammed (School for Life), Kassim K. Nantomah (School for Life), Dramani I. Imoro (School for Life), Kingsley Arkorful (HEART Consortium), Jacqui Mattingly (HEART Consortium), Edmund Opare (Illustrator, HEART Consortium), Kenneth Wontumi (Illustrator, CRDD, GES).

Special thanks to a team of experts made up of Dr. Kafui A.G. Ofori (Retired Lecturer, Language Centre, University of Ghana), Mr. Edward Apenteng Sackey Linguistics Department, University of Ghana), Mr. Samuel Banning-Preprah (Retired Teacher, Basic Education Unit, University of Ghana), Mr. Emmanuel T. Atteh and Mrs. Patience Obeng (both Lecturers from the Department of Ghanaian Languages, University of Education, Ajumako) for translating the materials.

The materials also benefitted from expert supervision from Mr. Stephen Adu, Director, Basic Education Division, GES. Valuable suggestions, feedback and reviewer comments were provided by Richard Ayitey and Fred Birikorang (both of Basic Education Division, GES).

We wish to express our profound gratitude for the expert support of Stella Dzator, Daniel Chachu and Maria Vasquez from ILO-IPEC Ghana and the coordination of Stephen McClelland (ILO-IPEC Ghana) and Alexandre Soho (ILO-IPEC Geneva, Office).

Funding for this publication was provided by the United States Department of Labor (USDOL), Project titled "Towards Child Labour Free Cocoa Communities in Cote d'Ivoire and Ghana through an Integrated Area-Based Approach" (RAF/10/54/USA) and the Global Issues Group (GIG) Project "Public Private Partnership between the Chocolate and Cocoa Industry and the ILO to Combat Child Labour in Cocoa Growing Communities in Ghana and Côte d'Ivoire" (RAF/11/04/GIG).

## Mi dlami 12. Hebuaami. Kasemi 1

Ngɔɔ nɔmahɪ nɛ laa amɛ kɛ wo blɔhe nɛ a si ɔmɛ.

34 35  37   
 57 58   61  
 94  96

24		
	÷	4
13	+	
36	-	
8	x	

12		
6	+	
	÷	3
6	x	
	-	8

2 4  8   14  18

Diki  $\frac{1}{4}$ 


# Mi dlami 11. Minylomi. Kasemi 2

Ngmaa mipopoe ne no ne a diki come daa si ha.

# Mi Ni

Yi	Da Fa
Midlami 1. Noma 0 – 9. Kasemi 1	..1
Midlami 1. Noma 0 – 9. Kasemi 2	..2
Midlami 1. Noma 0 – 9. Kasemi 2	..3
Midlami 1. Noma 0 – 9. Kasemi 3	..4
Midlami 1. Noma 0 – 9. Kasemi 3	..5
Midlami 1. Noma 0 – 9. Kasemi 4	..6
Midlami 1. Noma 0 – 9. Kasemi 4	..7
Midlami 1. Noma 0 – 9. Kasemi 5	..8
Midlami 1. Noma 0 – 9. Kasemi 5	..9
Midlami 1. Noma 0 – 9. Kasemi 6	..10
Midlami 1. Noma 0 – 9. Kasemi 7	..11
Midlami 2. Hepiemi. Kasemi 1	..12
Midlami 2. Hepiemi. Kasemi 2	..13
Midlami 2. Hepiemi. Kasemi 3	..14
Midlami 2. Hepiemi. Kasemi 4	..15
Midlami 3. Nyongmanyongmakekakaaka. Kasemi 1	..16
Midlami 3. Nyongmanyongmakekakaaka. Kasemi 2	..17
Midlami 3. Nyongmanyongmakekakaaka. Kasemi 4	..18
Midlami 3. Nyongmanyongmakekakaaka. Kasemi 5	..19
Midlami 3. Nyongmanyongmakekakaaka. Kasemi 7	..20
Midlami 3. Nyongmanyongmakekakaaka. Kasemi 10	..21
Midlami 4. Hepiemi. Kasemi 1	..22
Midlami 4. Hepiemi. Kasemi 2 ke 3	..23
Midlami 4. Hepiemi. Kasemi 5	..24

Midlami 5.Jemike je mi.Kasemi1.....25  
 Midlami 5.Jemike je mi.Kasemi4.....26  
 Midlami 5.Jemike je mi.Kasemi 5 κε 6.....27  
 Midlami 5.Jemike je mi.Kasemi8.....28  
 Midlami 5.Jemike je mi.Kasemi10.....29  
 Midlami 5.Jemike je mi.Kasemi12.....30  
 Midlami 6.Hiepealoohi ε pi.Kasemi 1.....31  
 Midlami 6.Hiepealoohi ε pi.Kasemi3 κε4.....32  
 Midlami 7.Minylomi.Kasemi 1.....33  
 Midlami 7.Minylomi.Kasemi 2.....34  
 Midlami 8.Hebomi.Kasemi 1.....35  
 Midlami 8.Hebomi.Kasemi 2.....36  
 Midlami 8.Hebomi.Kasemi 4.....37  
 Midlami 8.Hebomi.Kasemi 8.....38  
 Midlami 9.Migbami.Kasemi3.....39  
 Midlami 9.Migbami.Kasemi6.....40  
 Midlami 9.Migbami.Kasemi7.....41  
 Midlami 9.Migbami.Kasemi9.....42  
 Midlami 10.Mipopoe.Kasemi2.....43  
 Midlami 10.Mipopoe.Kasemi3.....44  
 Midlami 11.Minylomi.Kasemi1.....45  
 Midlami 11.Minylomi.Kasemi2.....46  
 Midlami 12.Hebuaami.Kasemi 1.....50

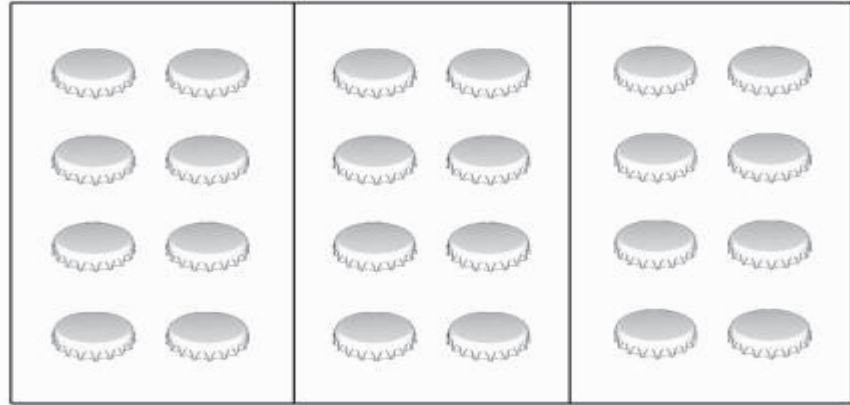
## Midlami 11. Minylomi. Kasemi 1

Mo gba tso κε tsoo hetohi ne da ame.

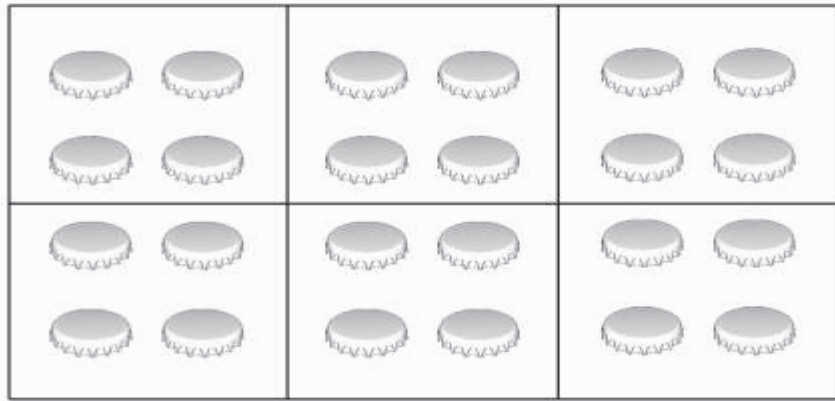
$2 \times 5 = 8$	$20 \div 5 = 10$
$4 \times 3 = 12$	$18 \div 3 = 4$
$8 \times 1 = 10$	$20 \div 2 = 5$
$3 \times 2 = 15$	$25 \div 5 = 6$
$6 \times 5 = 30$	$6 \div 3 = 8$
$5 \times 3 = 6$	$24 \div 3 = 2$

Mi dlami 10. Mipopoe. Kasemi 3

8 peeo  $\frac{1}{3}$  nge 24 mi



Nɔ kanemi nɔ enyeme le peeo  $\frac{2}{3}$ ?



Nɔ Kanemi nɔ enyeme le peeo:

$$\frac{1}{6} = \square$$

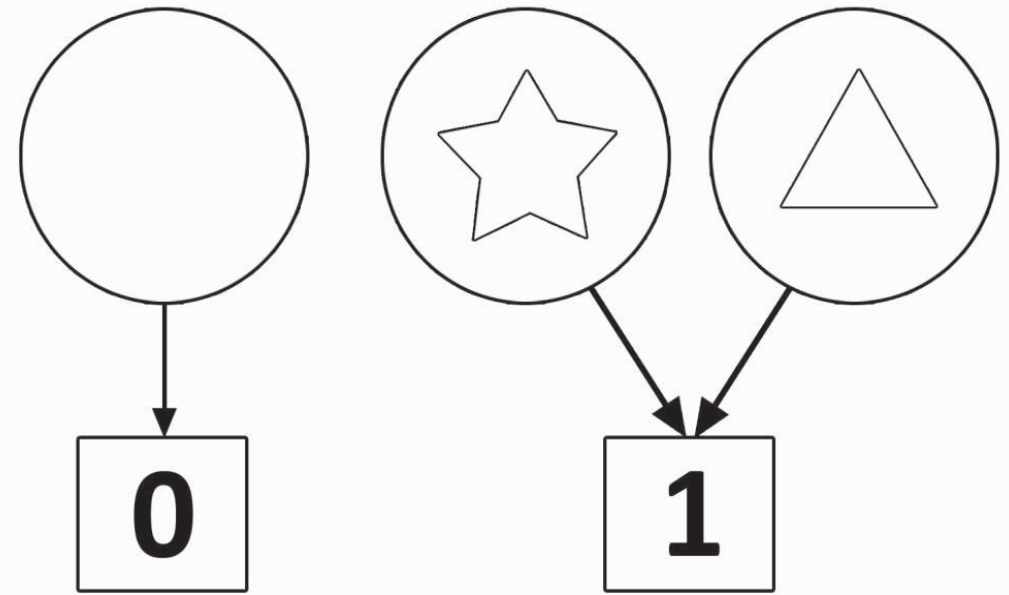
$$\frac{2}{6} = \square$$

$$\frac{3}{6} = \square$$

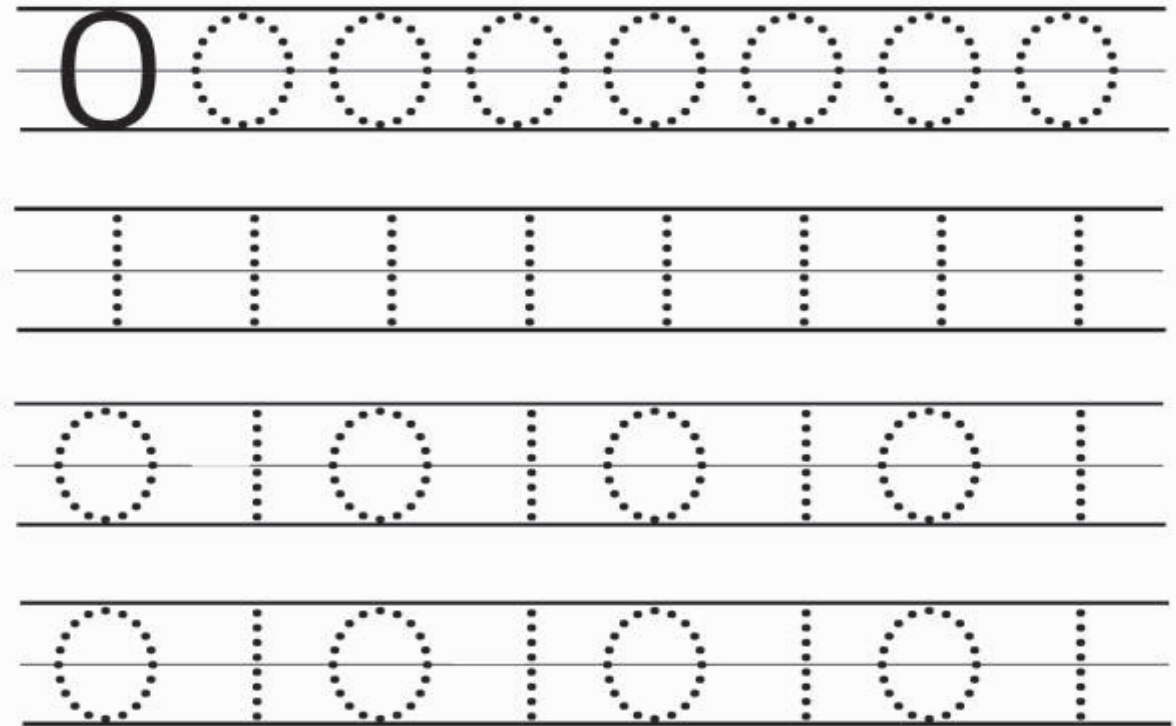
$$\frac{4}{6} = \square$$

Mi dlami 1. Nɔma 0 – 9. Kasemi 1

Nihi enyeme nge klooo ɔ eko fɛe eko mi



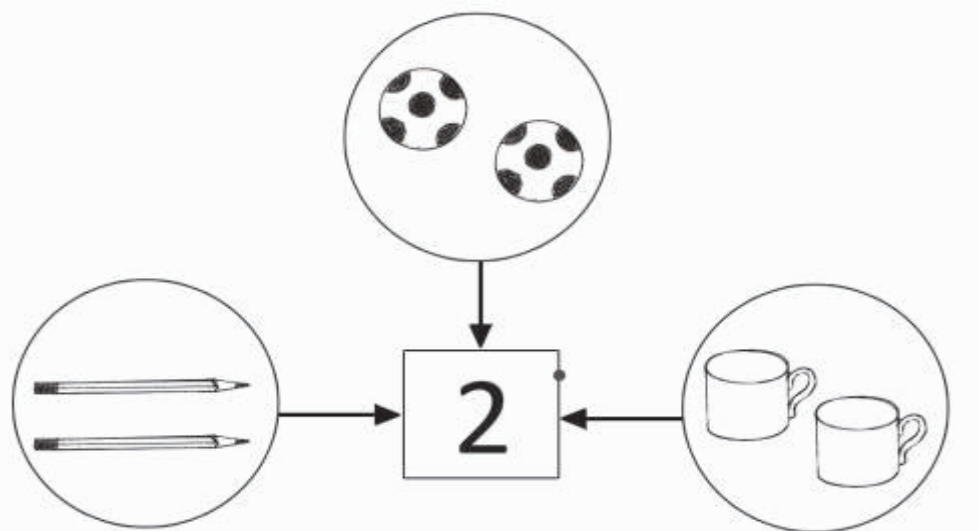
Moo wo nɔma ne ɔme a mi



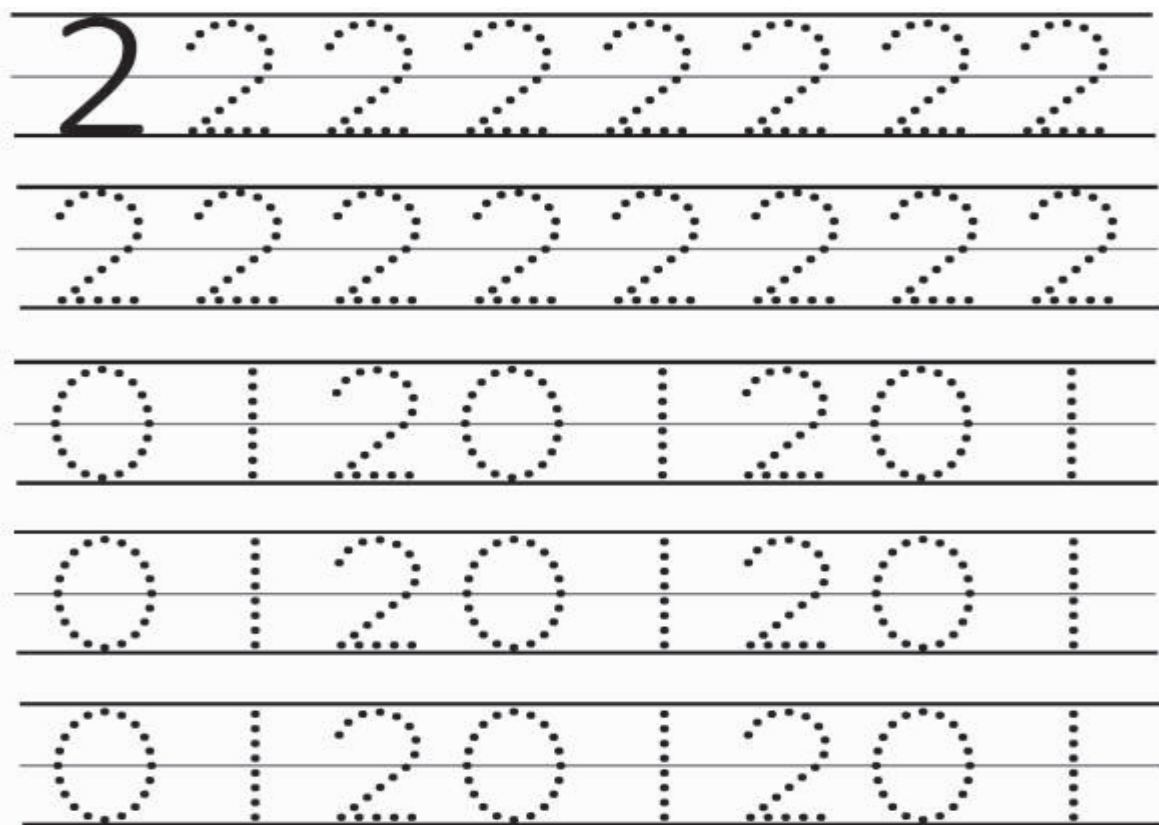


**Mi dlami 1. Nɔma 0 – 9. Kasemi 2**

Nihi enyeme nge klooo ɔ eko fɛe eko mi?



**Moos wo nɔma ne ɔme a mi**

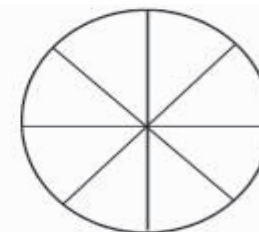


**Mi dlami 10. Mipopoe. Kasemi 2**

Mo diki mipopoe ɔme.

Diki

$\frac{1}{8}$



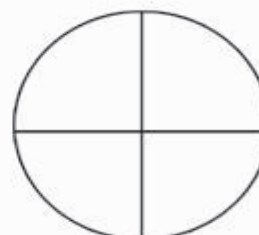
Diki

$\frac{3}{8}$



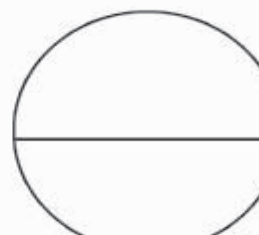
Diki

$\frac{1}{4}$

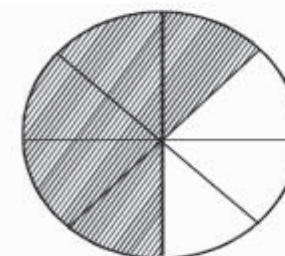


Diki

$\frac{1}{2}$

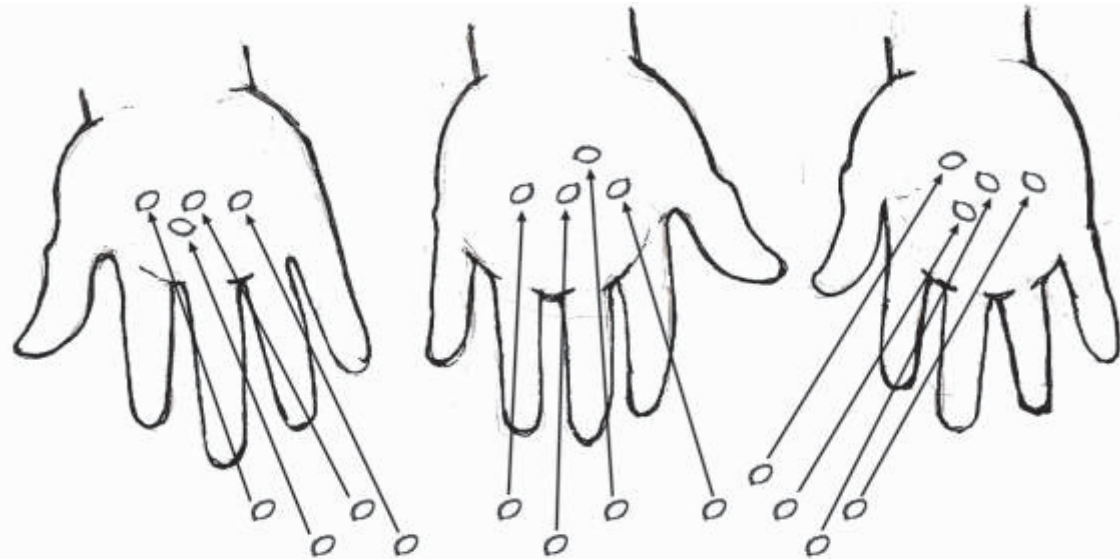


**Ngmaa mipopoe ne a diki mi ɔ.**



**Mi dlami 9. Mi gbami. Kasemi 9**

Kane akɔtaa mi munyuza ne ɔme. Mo temi foni ɔme aloo  
 nɔ kanemi nihi ke hla heto ɔme. Mo hla nɔmahɪ ne a laa aɛɛ.



**Kaseli 3 gba tso yibli 12**

$$12 \div 4 = 3$$

**Kaseli 2 gba pensle 16**

$$16 \div \square = \square$$

**Kaseli 5 gba womi 15**

$$\square \div \square = \square$$

**Kaseli 2 gba tsɔki 10**

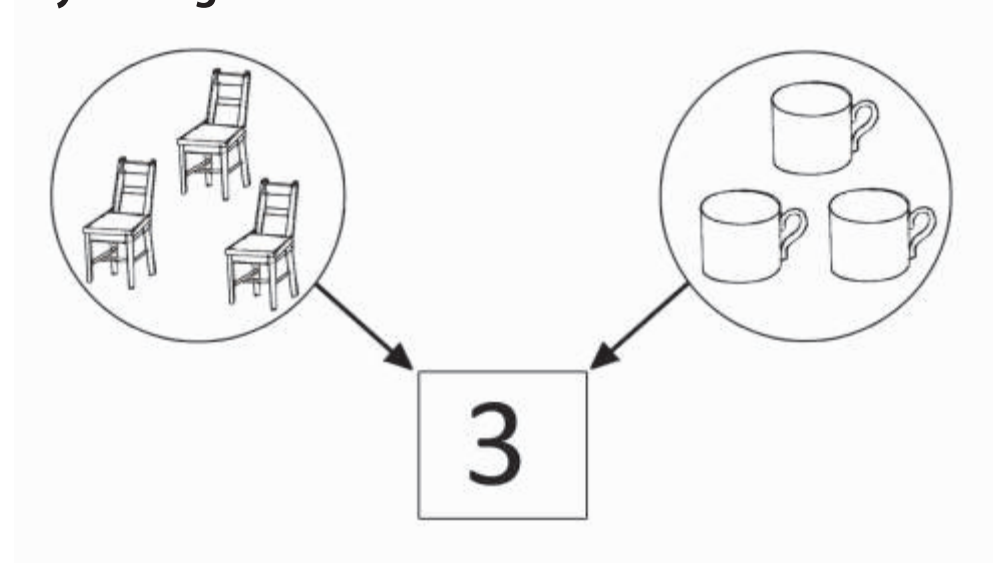
$$\square \div \square = \square$$

**Kaseli 3 gba tɔ nya nɔ 12**

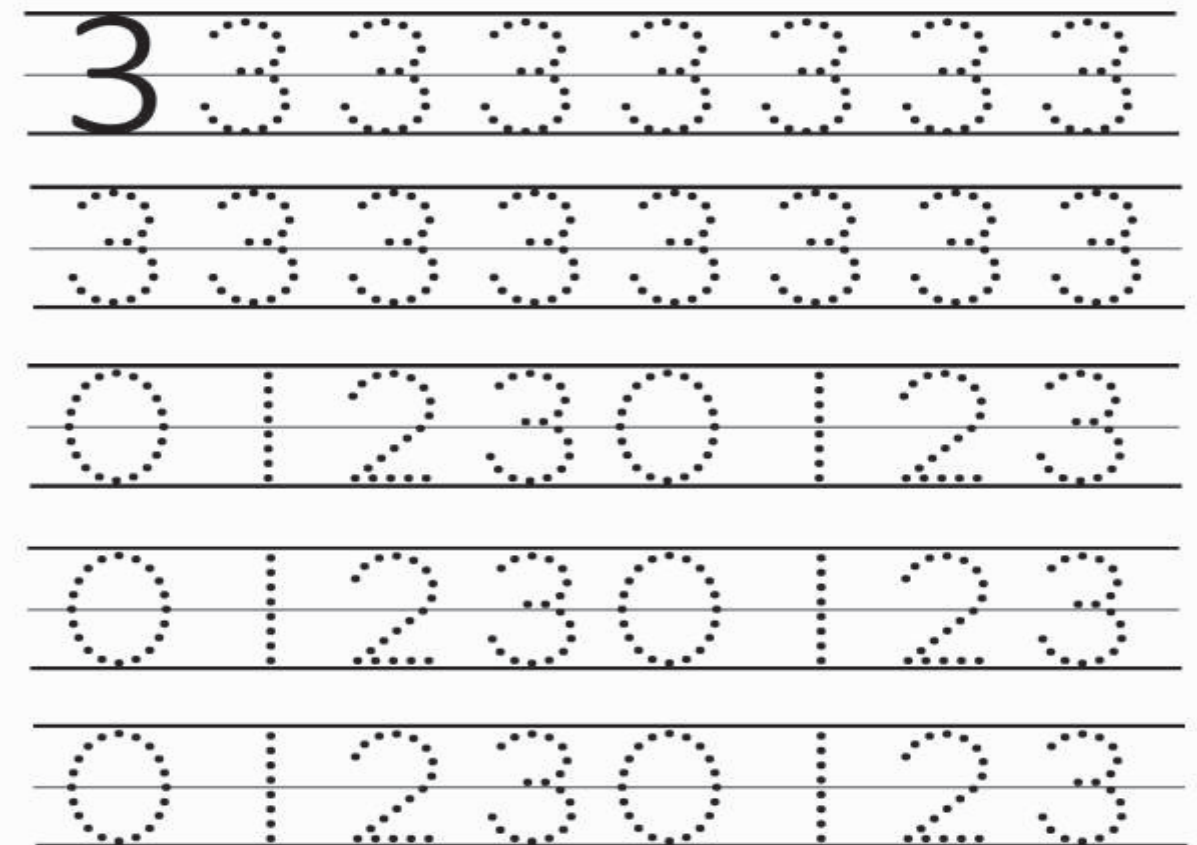
$$\square \div \square = \square$$

**Mi dlami 1. Nɔma 0 – 9. Kasemi 2**

Nihi enyeme nge kloo ɔ eko fɛɛ eko mi?



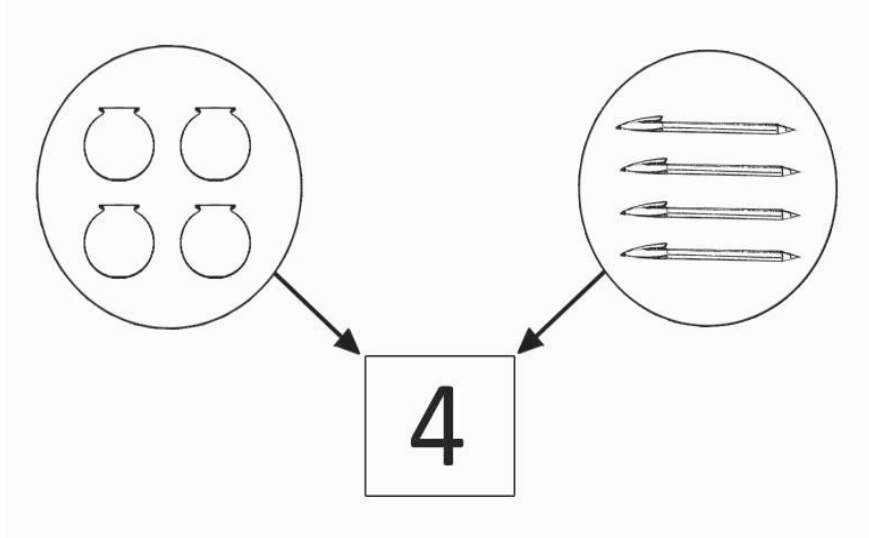
**Moo wo nɔma ne ɔme a mi**



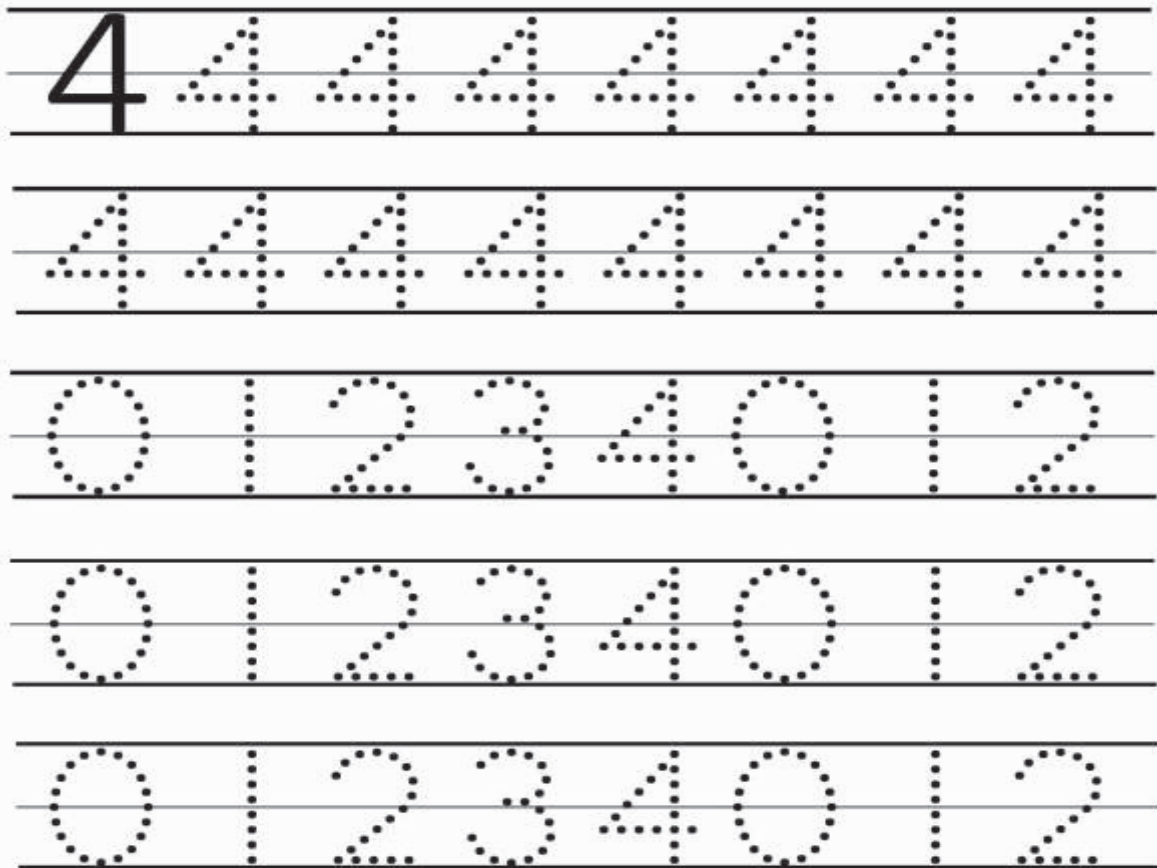


Mi dlami 1. Nɔma 0 – 9. Kasemi 3

Nihi enyeme nge klooo ɔ eko fɛe eko mi?



Moo wo nɔma ne ɔme a mi



Mi dlami 9. Mi gbami. Kasemi 7

Ngɔɔ ɔ kanemi nihi ke bu akɔtaa ne ɔme.

$12 \div 2 = \square$

$16 \div 2 = \square$

$8 \div 2 = \square$

$15 \div 3 = \square$

$15 \div 5 = \square$

$20 \div 5 = \square$

$9 \div 3 = \square$

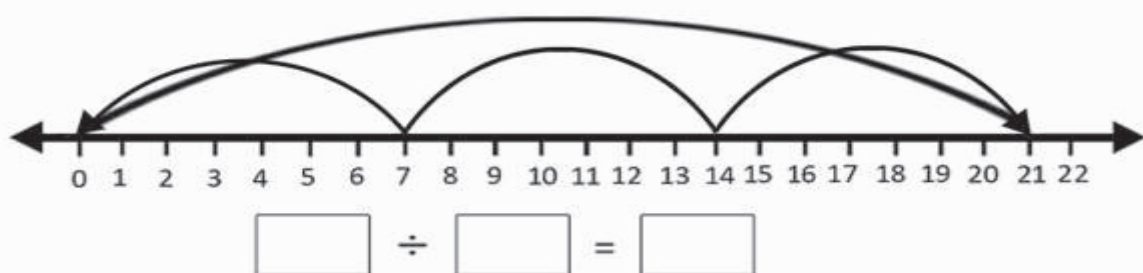
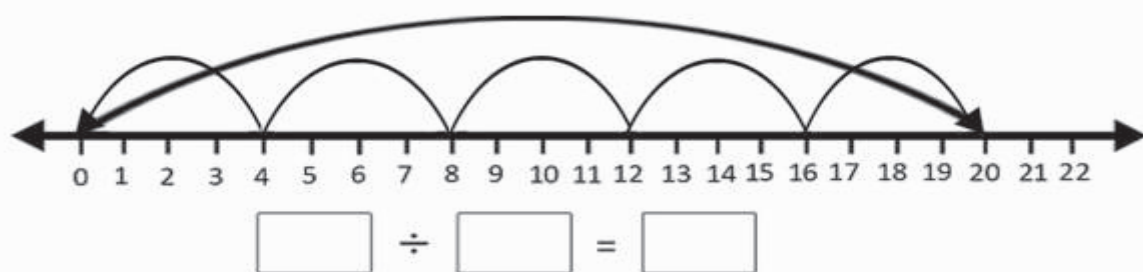
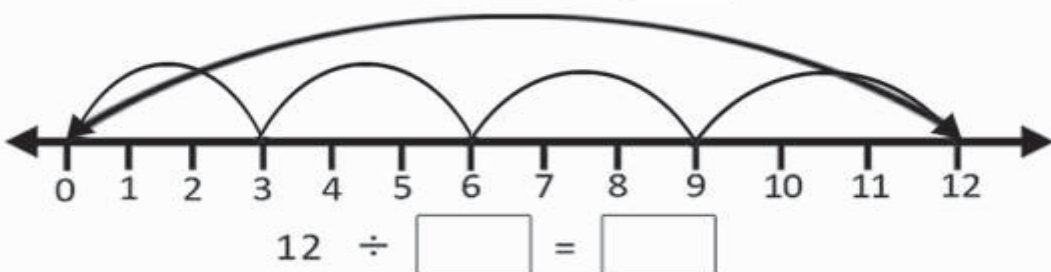
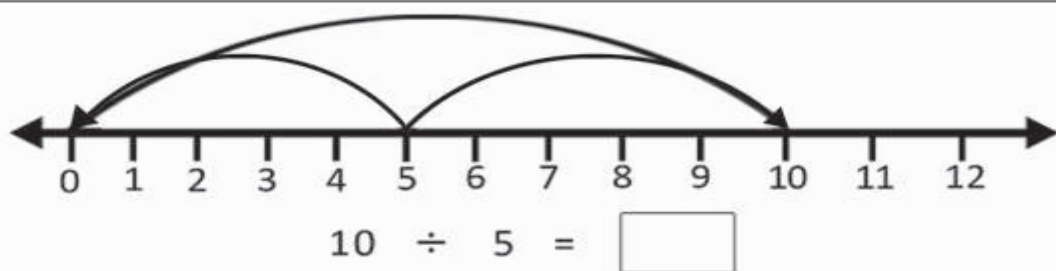
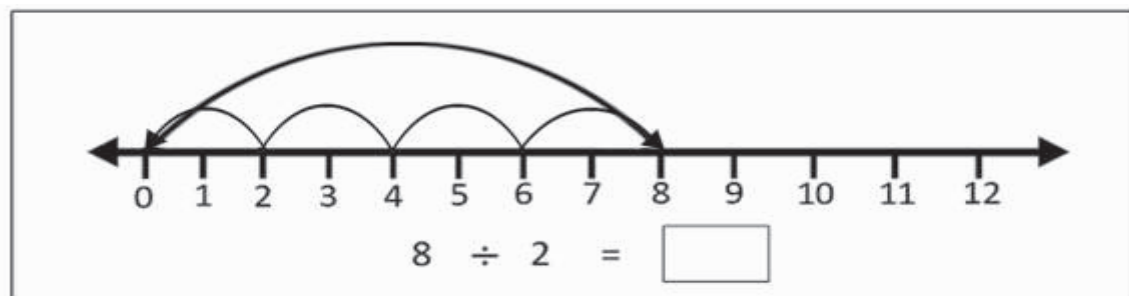
$18 \div 3 = \square$

$8 \div 4 = \square$

$12 \div 4 = \square$

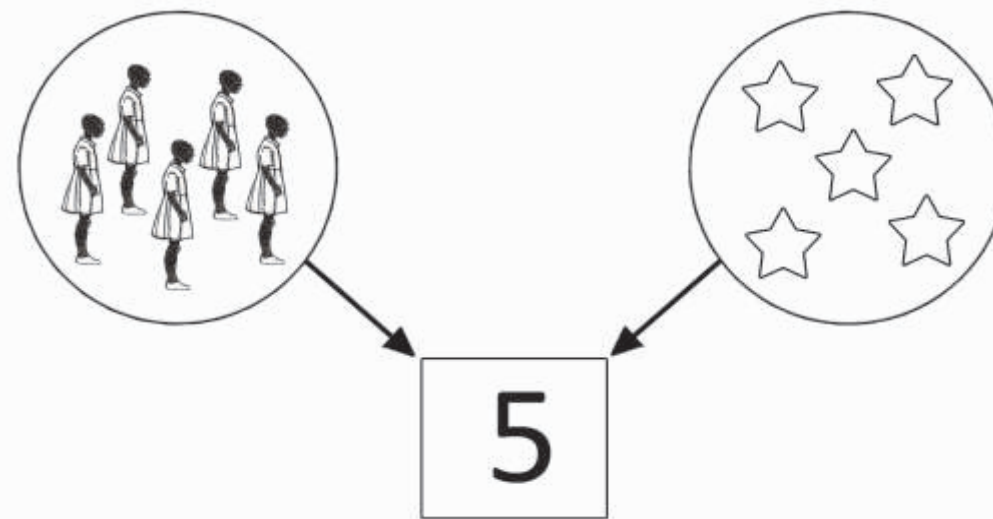
Mi dlami 9. Mi gbami. Kasemi 6

Ngwkwkwahi ne laa amε ke wo a blεhe kwε.



Mi dlami 1. Nkwma 0 – 9. Kasemi 3

Nihi enyε nge kloo kwεko fεε eko mi?



Moo wo kwma ne kwε a mi

5 5 5 5 5 5 5

5 5 5 5 5 5 5

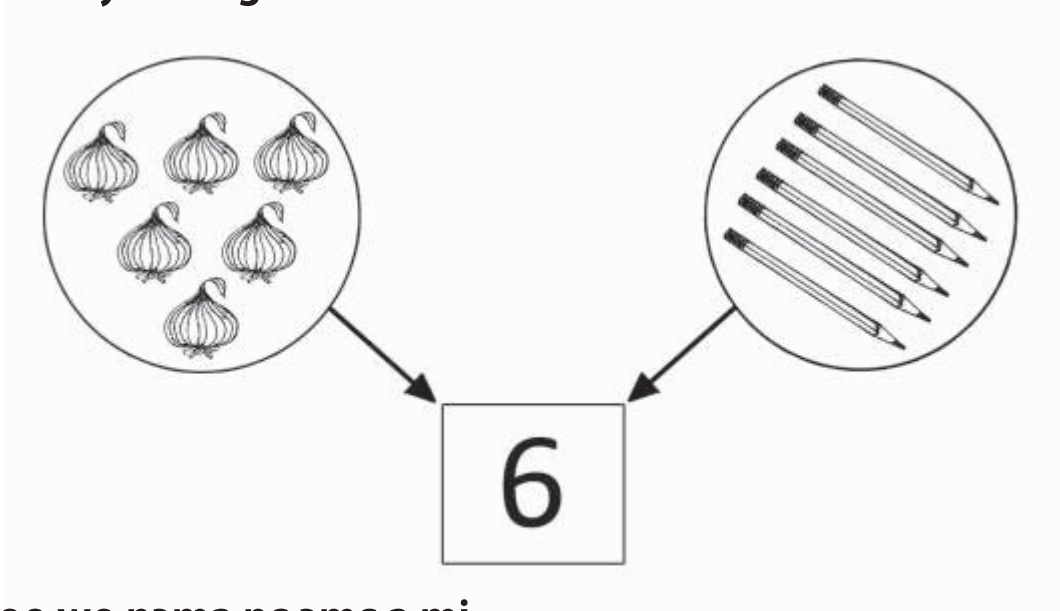
0 1 2 3 4 5 0 1

0 1 2 3 4 5 0 1

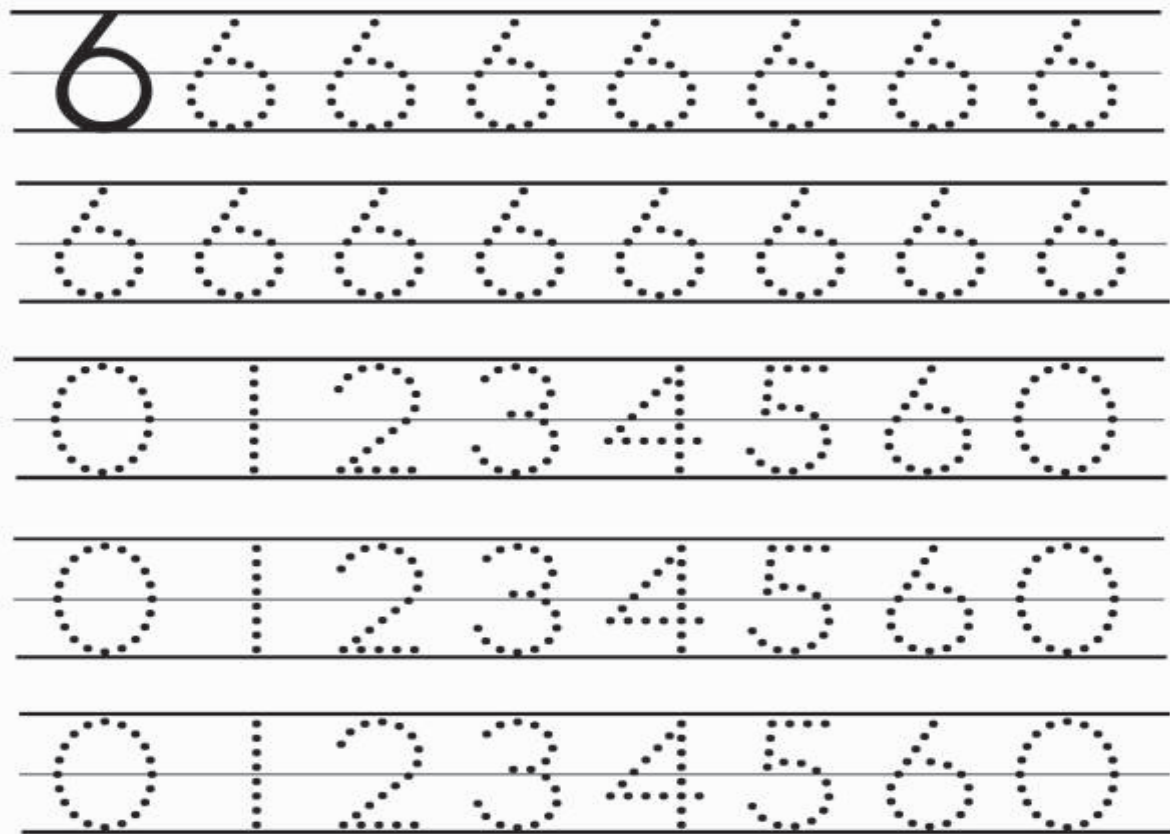
0 1 2 3 4 5 0 1

Mi dlami 1. Nɔma 0 – 9. Kasemi 4

Nihi enyeme nge klooo ɔ eko fɛe eko mi?

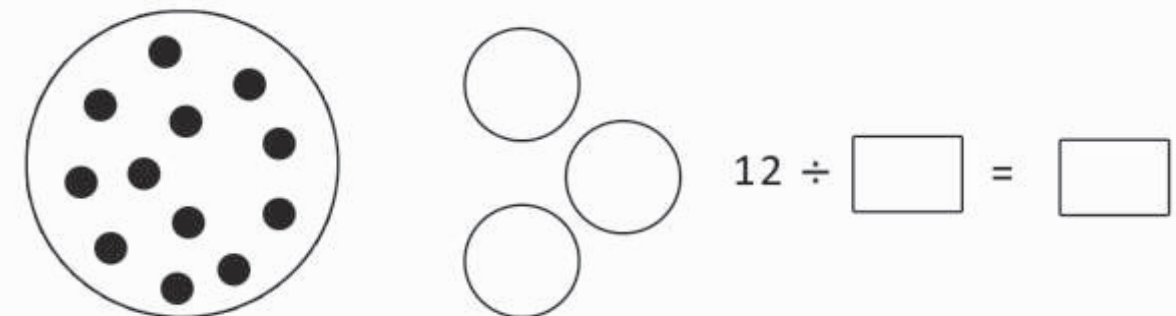
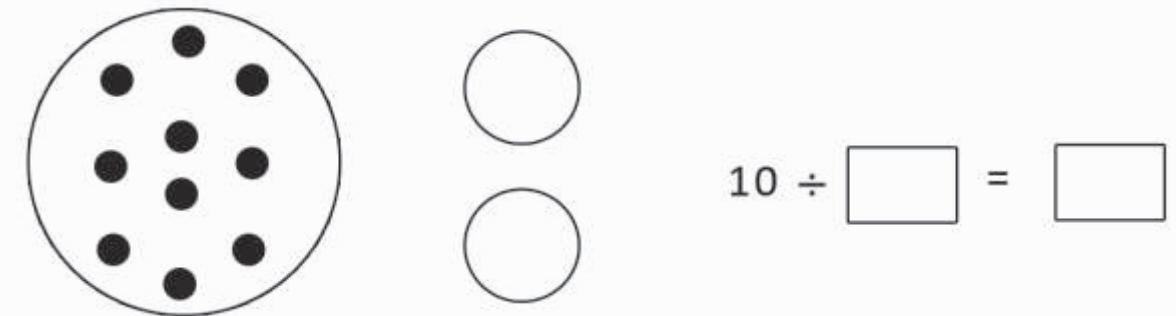
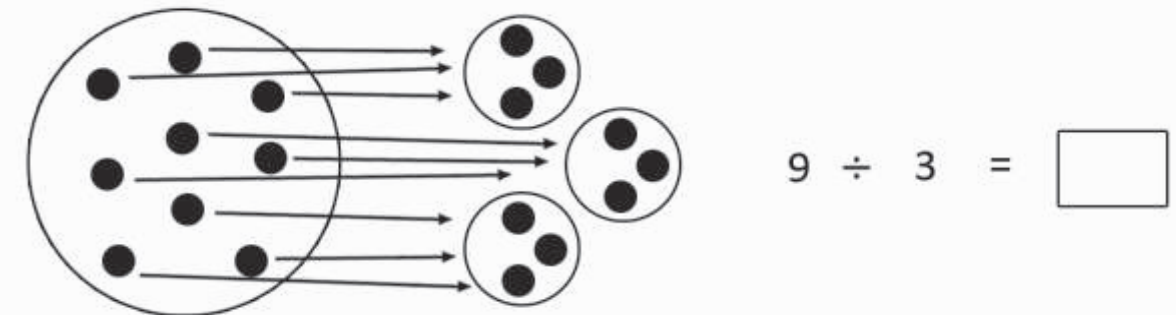
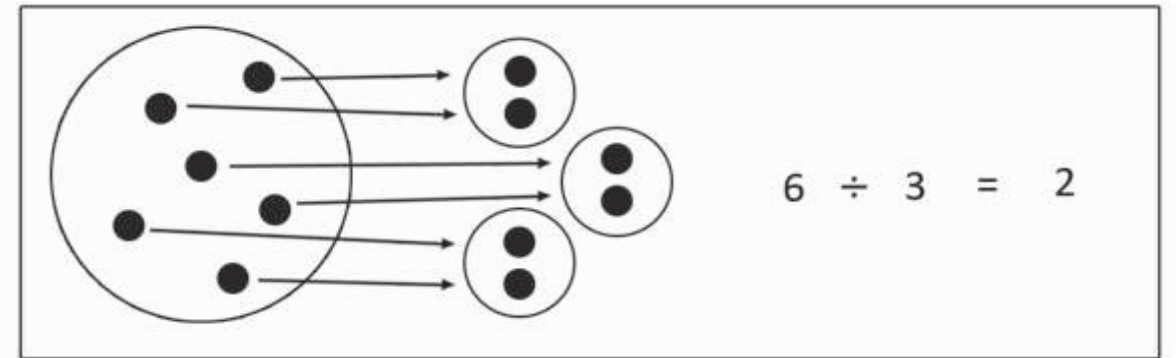


Moo wo nɔma ne ɔme a mi



Mi dlami 9. Mi gbami. Kasemi 3

Gbee ni ne ɔme a nya.





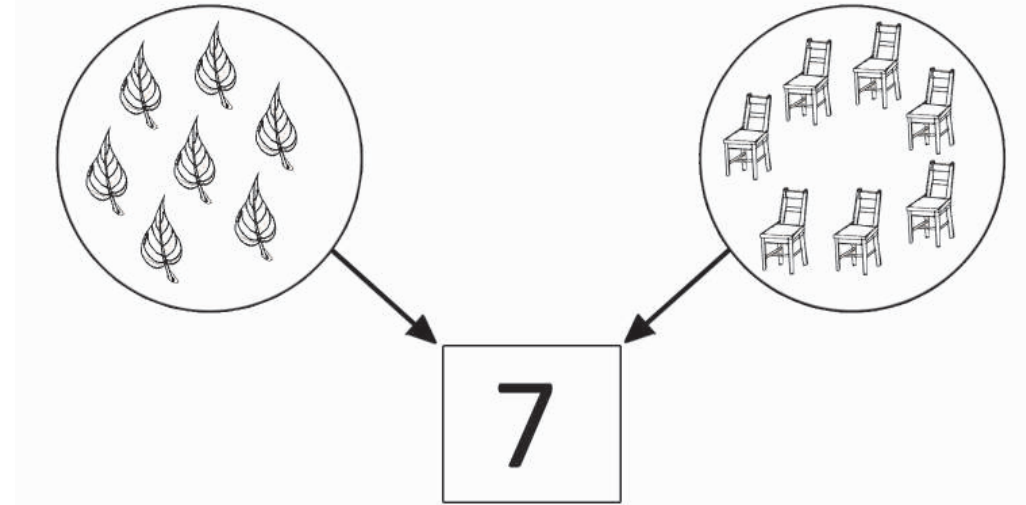
## Mi dlami 8. Hebomi. Kasemi 8

Hla hebomi zme. Poo enyozony heboli zme a mi. Poo klooke wo enusuz heboli zme a he kone o diki nyozngmanyozgma heboli zme.

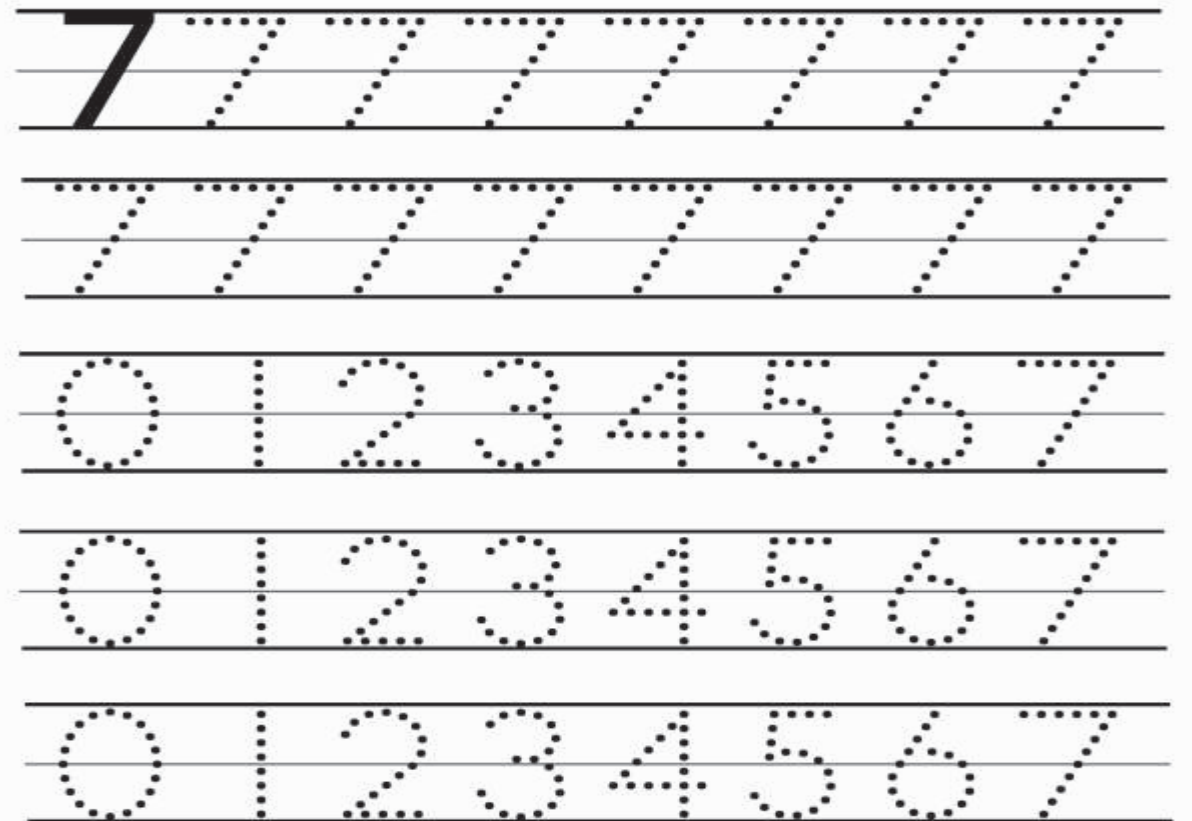
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

## Mi dlami 1. Noma 0 – 9. Kasemi 4

Nihi enyeme nge klooz eko fex eko mi?

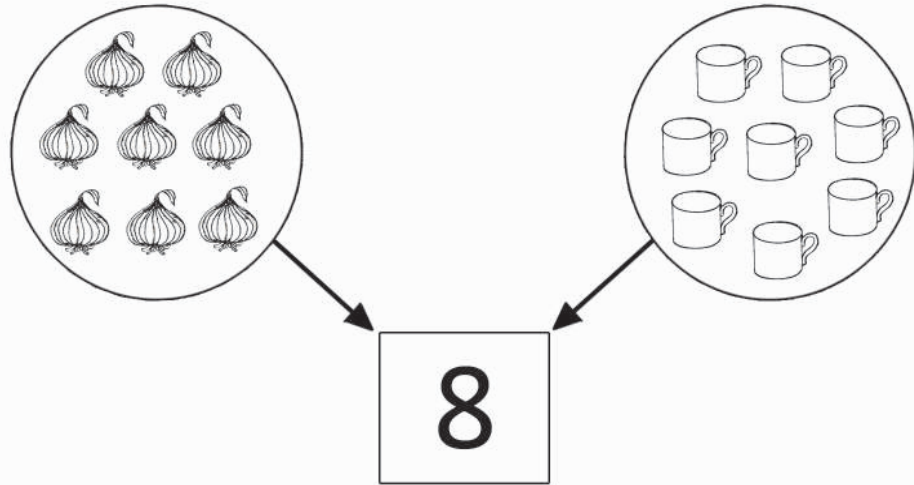


Moo wo noma ne zme a mi

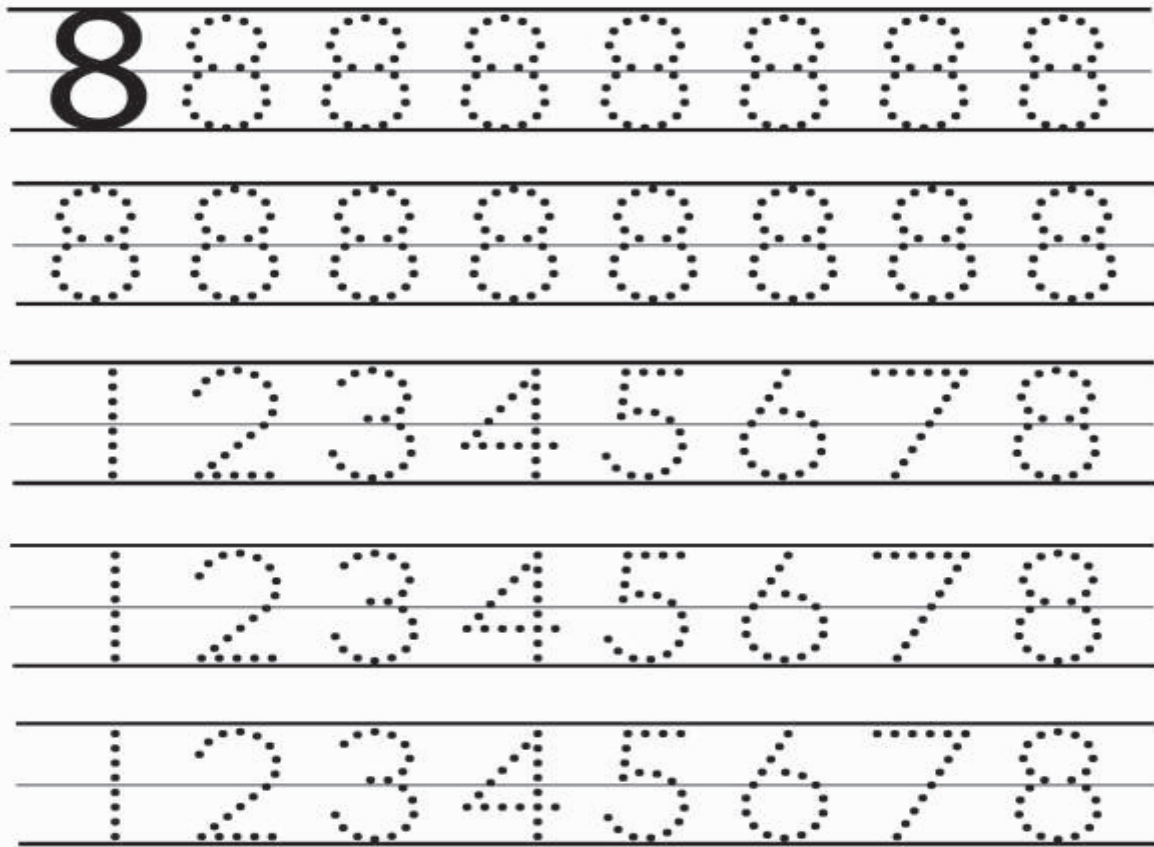


Mi dlami 1. Noma 0 – 9. Kasemi 5

Nihi enyeme nge klooo eko feko mi?

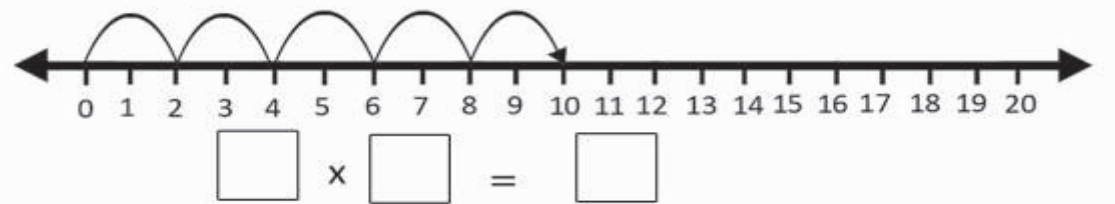
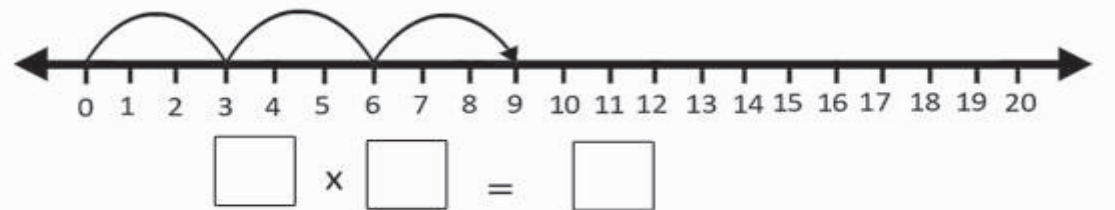
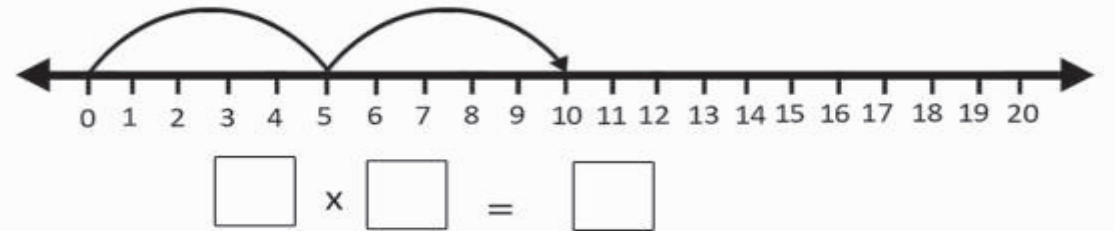
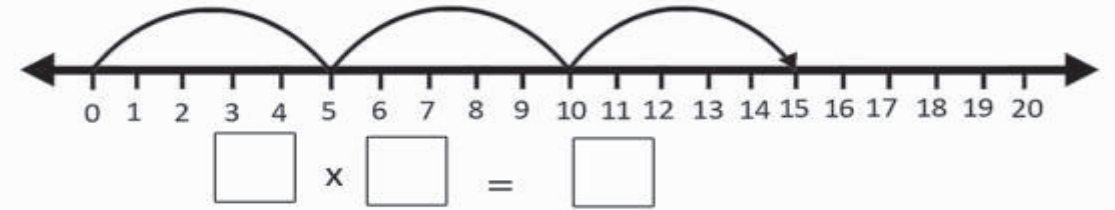
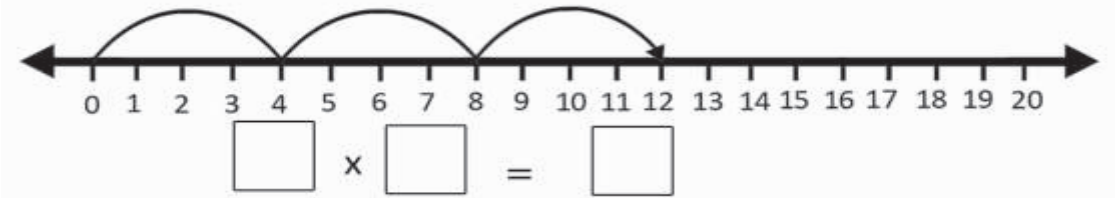
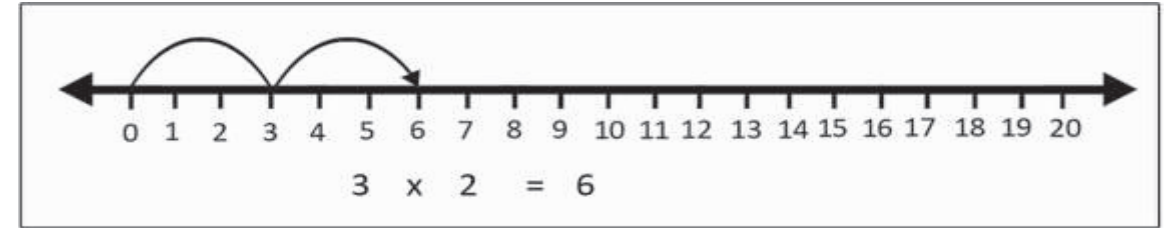


Moo wo noma ne tme a mi



Mi dlami 8. Hebomi. Kasemi 4

Pee tuumi tme nge noma lai t t.





## Mi dlami 8. Hebɔmi. Kasemi 2

Mo teni klooo ɔ ke e mi bi aloo mi ɔme kone o ngmaa  
nɔma aɛe.

$$3 \times 2 \Rightarrow \text{3 circles with 2 dots each} + \text{3 circles with 2 dots each} \Rightarrow \text{6 circles with 2 dots each} = 6$$

$$5 \times 3 \Rightarrow \text{5 empty circles} + \text{5 empty circles} + \text{5 empty circles} \Rightarrow \text{5 empty circles} = \square$$

$$4 \times 2 \Rightarrow \text{4 empty circles} + \text{4 empty circles} \Rightarrow \text{4 empty circles} = \square$$

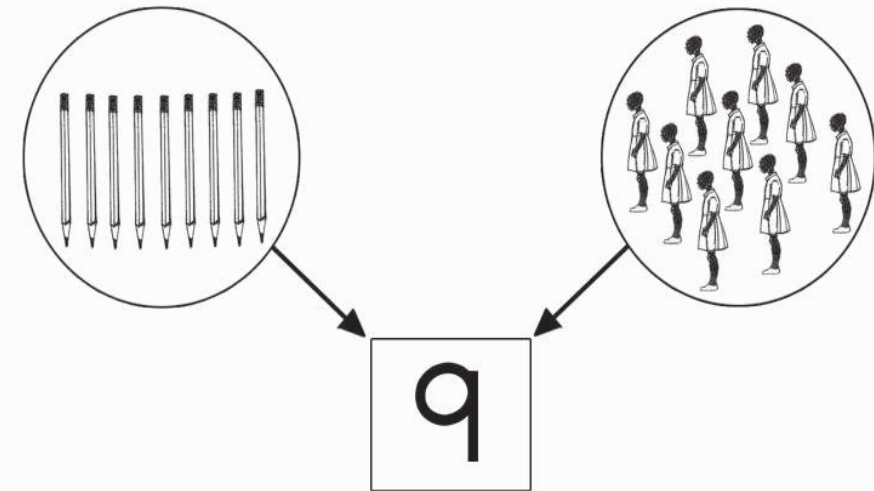
$$3 \times 3 \Rightarrow \text{3 empty circles} + \text{3 empty circles} + \text{3 empty circles} \Rightarrow \text{3 empty circles} = \square$$

$$1 \times 4 \Rightarrow \text{1 empty circle} + \text{1 empty circle} + \text{1 empty circle} + \text{1 empty circle} \Rightarrow \text{1 empty circle} = \square$$

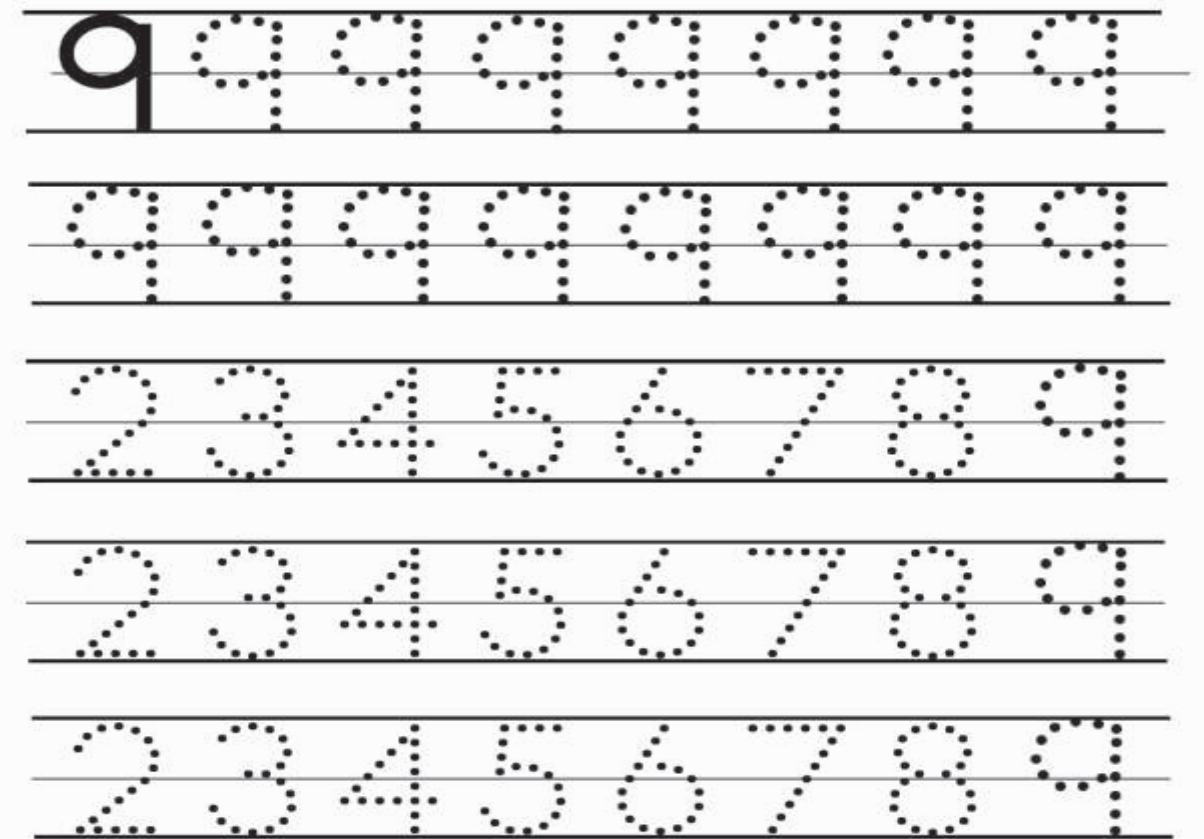
$$5 \times 2 \Rightarrow \text{5 empty circles} + \text{5 empty circles} \Rightarrow \text{5 empty circles} = \square$$

## Mi dlami 1. Nɔma 0 – 9. Kasemi 5

Nihi enyeme nge klooo ɔ eko fee eko mi?



Moowoo nɔma ne ɔme a mi



# Mi dlami 1. Nɔma 0 – 9. Kasemi 6

Moo wo nɔma ne zme a mi kone o ngma me.

	0	
	1	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	

# Mi dlami 8. Heɓɓmi. Kasemi 1

Gbee ni ne zme a nya.

$$\begin{array}{ccccccc}
 \text{⊙} & + & \text{⊙} & + & \text{⊙} & = & \text{⊙} \\
 \text{••} & & \text{••} & & \text{••} & & \text{•••••} \\
 2 & + & 2 & + & 2 & \Rightarrow & 2 \times 3 = \boxed{6}
 \end{array}$$

$$\begin{array}{ccccccc}
 \text{⊙} & + & \text{⊙} & + & \text{⊙} & + & \text{⊙} & = & \text{⊙} \\
 \text{•••} & & \text{•••} & & \text{•••} & & \text{•••} & & \text{⊙} \\
 3 & + & 3 & + & 3 & + & 3 & \Rightarrow & 3 \times 4 = \boxed{\phantom{00}}
 \end{array}$$

$$\begin{array}{ccccccc}
 \text{⊙} & + & \text{⊙} & + & \text{⊙} & = & \text{⊙} \\
 \text{••••} & & \text{••••} & & \text{••••} & & \text{⊙} \\
 4 & + & 4 & + & 4 & \Rightarrow & \boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}
 \end{array}$$

$$\begin{array}{ccccccc}
 \text{⊙} & + & \text{⊙} & + & \text{⊙} & + & \text{⊙} & = & \text{⊙} \\
 \text{••} & & \text{••} & & \text{••} & & \text{••} & & \text{⊙} \\
 \boxed{\phantom{00}} & + & \boxed{\phantom{00}} & + & \boxed{\phantom{00}} & + & \boxed{\phantom{00}} & \Rightarrow & \boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}
 \end{array}$$

$$\begin{array}{ccccccc}
 \text{⊙} & + & \text{⊙} & + & \text{⊙} & + & \text{⊙} & = & \text{⊙} \\
 \text{•••••} & & \text{•••••} & & \text{•••••} & & \text{•••••} & & \text{⊙} \\
 \boxed{\phantom{00}} & + & \boxed{\phantom{00}} & + & \boxed{\phantom{00}} & + & \boxed{\phantom{00}} & \Rightarrow & \boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}
 \end{array}$$

### Mi dlami 7. Mi nylomi. Kasemi 2

Anokuale aloo Nyangɔ? Ngɔɔ okadi '✓' ke tsɔɔ kaa anokuale aloo nyangɔ.

43 > 35  
 Anokuale  Nyangɔ

52 < 28  
 Anokuale  Nyangɔ

75 > 99  
 Anokuale  Nyangɔ

16 > 64  
 Anokuale  Nyangɔ

Mo kadi Anokuale aloo nyangɔ daka amɛ ke '✓'

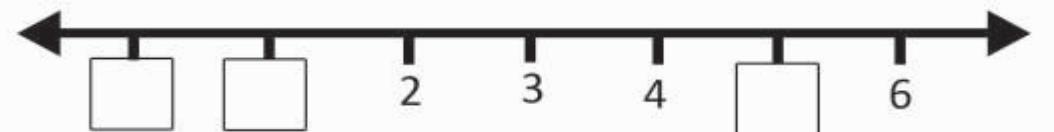
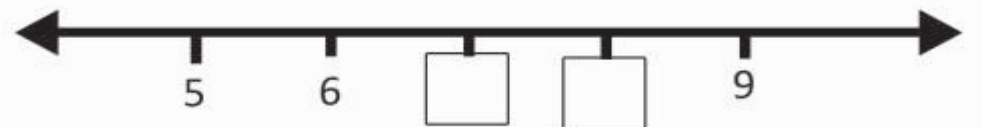
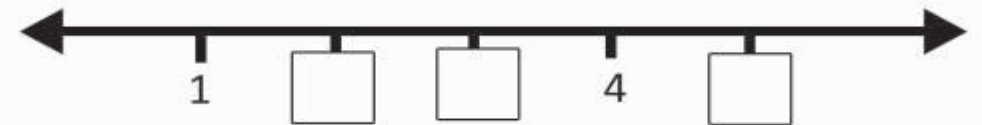
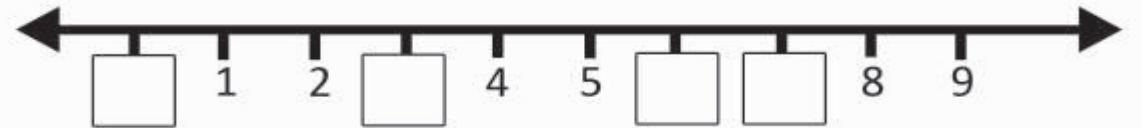
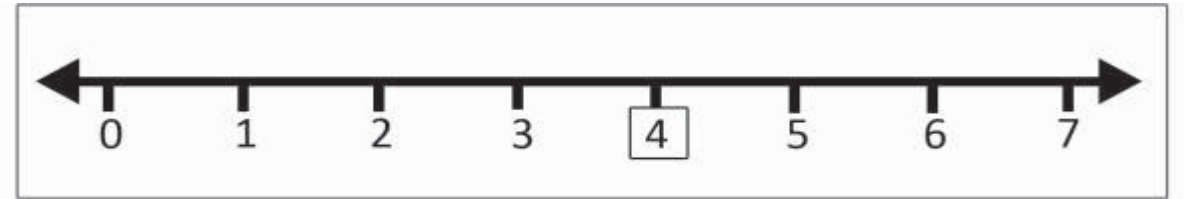
12 + 3 > 24 + 5 → 15 > 29  
 Anokuale  Nyangɔ

36 + 3 > 53 + 4 →  >   
 Anokuale  Nyangɔ

47 - 5 > 35 - 12 →  >   
 Anokuale  Nyangɔ


### Mi dlami 1. Nɔma 0 – 9. Kasemi 7

Ngɔɔ nɔmahɪ nɛ a si ɔmɛ ke wo blɔhe nɛ a si ɔmɛ.




## Mi dlami 2. Hepiemi. Kasemi 1


Ke o bla nihi ne nge daka enyɔ ɔme a mi ɔ ke wo daka enyɔ ɔme ke wo daka kake mi ɔ, enyeme a yibɔ maa pee?




2 + 1 = 3



5 + 4 =



4 + 3 =



5 + 3 =

## Mi dlami 7. Mi nylɔmi. Kasemi 1

Hla nɔmahɪ ne laa amɛ.

$$\begin{array}{r} 42 \\ + \square \\ \hline 64 \end{array}$$

$$\begin{array}{r} 63 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ + \square \\ \hline 57 \end{array}$$

$$\begin{array}{r} 75 \\ - \square \\ \hline 42 \end{array}$$

$$\begin{array}{r} \square \\ + 15 \\ \hline 38 \end{array}$$

$$\begin{array}{r} 57 \\ - 43 \\ \hline \end{array}$$

Hla heto ɔme.

Kaseli 20 nge ni kasemi se kake nɔ ne 25 hu nge ni kasemi se enyɔ nɔ. Kaseli a yibɔ enyeme le nge ke a bua me?

	Nyɔngma nyɔngmahi	Kakaakahi
+		

I nge hye 36 ke ya jua. I jua 15. Hye enyeme le pie?

	Nyɔngma nyɔngmahi	Kakaakahi
+		



**Mi dlami 6. Hiε pe aloo hiε pi. Kasemi 3 κε 4**  
 Ngmaa heto ɔme κε ha akɔtaa ne ɔme. Ngɔɔ > aloo < κε wo  
 ha kpe kaa bɔ ne emaa da

**Mi gbami 1**

$$\begin{array}{ccc} 1 + 5 & < & 2 + 6 \\ \boxed{6} & & \boxed{8} \end{array}$$

$$8 - 2 \quad \boxed{\phantom{00}} \quad 7 - 3$$

$$3 + 4 \quad \boxed{\phantom{00}} \quad 2 + 2$$

$$9 - 5 \quad \boxed{\phantom{00}} \quad 5 - 3$$

**Mi gbami 2**

$$\begin{array}{r} 36 \\ +22 \\ \hline 58 \end{array} < \begin{array}{r} 40 \\ +25 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 25 \\ -15 \\ \hline \end{array} \quad \begin{array}{r} 48 \\ -35 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ +25 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 26 \\ -15 \\ \hline \end{array}$$

**Mi dlami 2. Hεpiεemi. Kasemi 2**  
 Ke o bla mi aloo bi ne nge klooo enyɔ ɔme a mi ɔ κε wo klooo  
 kake mi ɔ enyεme a yi bɔ maa pee?

$$2 + 3 = 5$$

$$5 + 4 = \boxed{\phantom{00}}$$

$$6 + 2 = \boxed{\phantom{00}}$$

$$4 + 3 = \boxed{\phantom{00}}$$

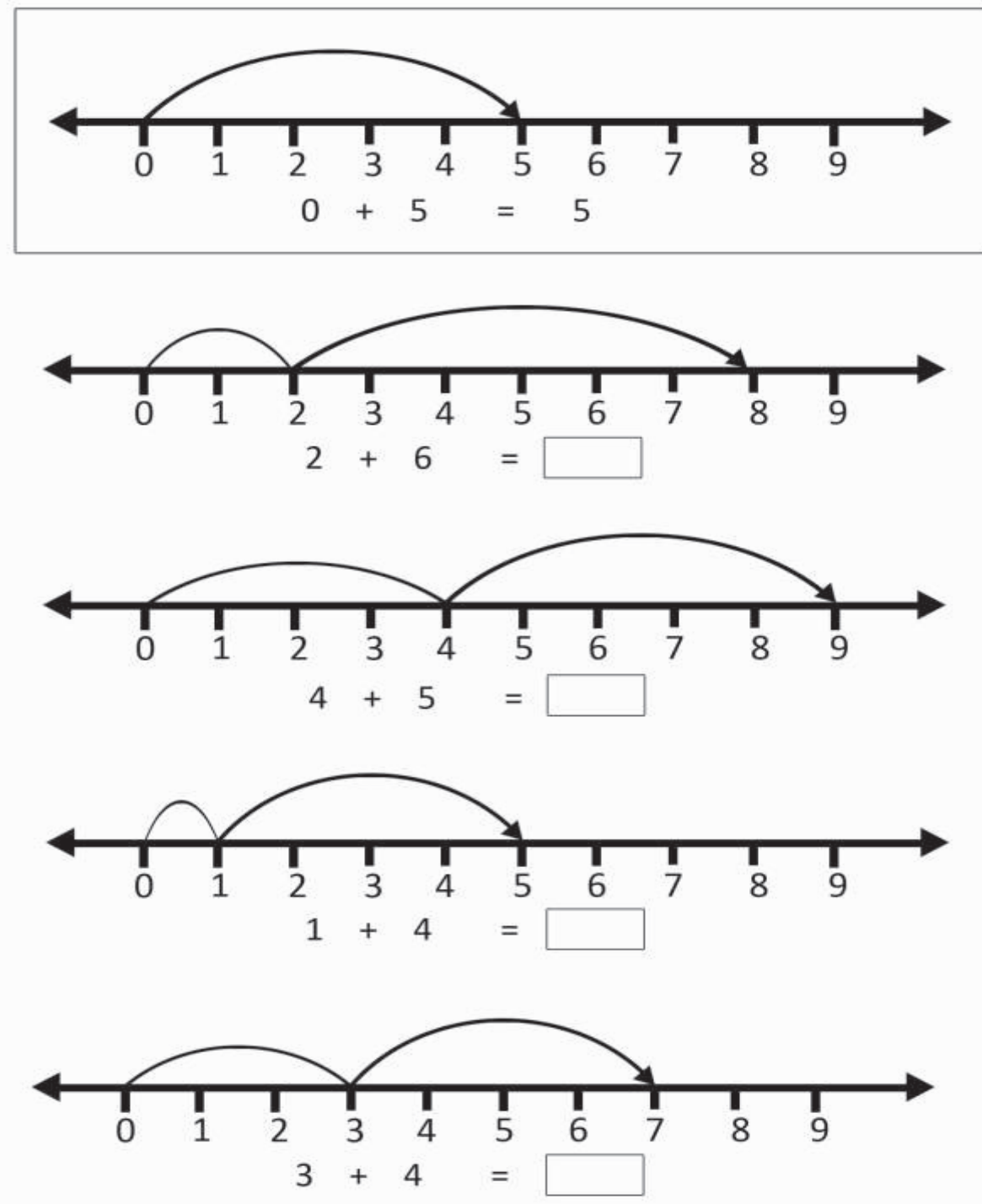
$$3 + 6 = \boxed{\phantom{00}}$$



## Mi dlami 2. Hepiemi. Kasemi 3

Ngɔɔ ɔɔma lai ne ɔɔme ke bu hepiemi akɔtaa ne ɔɔme.

Ngɔɔ ɔɔma eko ke piɛe eko he.



## Mi dlami 6. Hiɛ pe aloo hiɛ pi. Kasemi 1

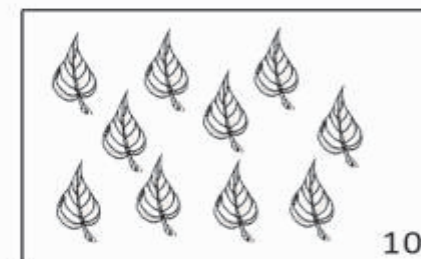
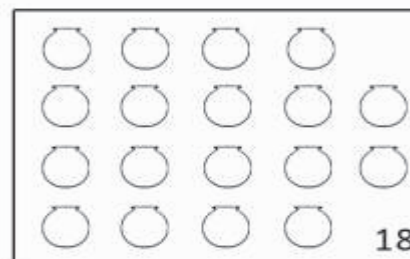
15 hiɛ pe 10      15 > 10

6 hiɛ pi 12      6 < 12

Moo gbe ni ne ɔɔme a nya ke okadi ne ɔɔme > aloo <



12 \_\_\_ 20



18 \_\_\_ 10

26 \_\_\_ 42

49 \_\_\_ 28

50 \_\_\_ 60

95 \_\_\_ 85

80 \_\_\_ 70

99 \_\_\_ 98

75 \_\_\_ 60

11 \_\_\_ 19

85 \_\_\_ 90

59 \_\_\_ 71

92 \_\_\_ 96

81 \_\_\_ 90

## Mi dlami 5. Jemi ke je mi. Kasemi 12

Gbee nihi ne nge daka ame a mi zme a nya.

3		
8	-	5
5	-	
	-	4
9	-	
6	-	

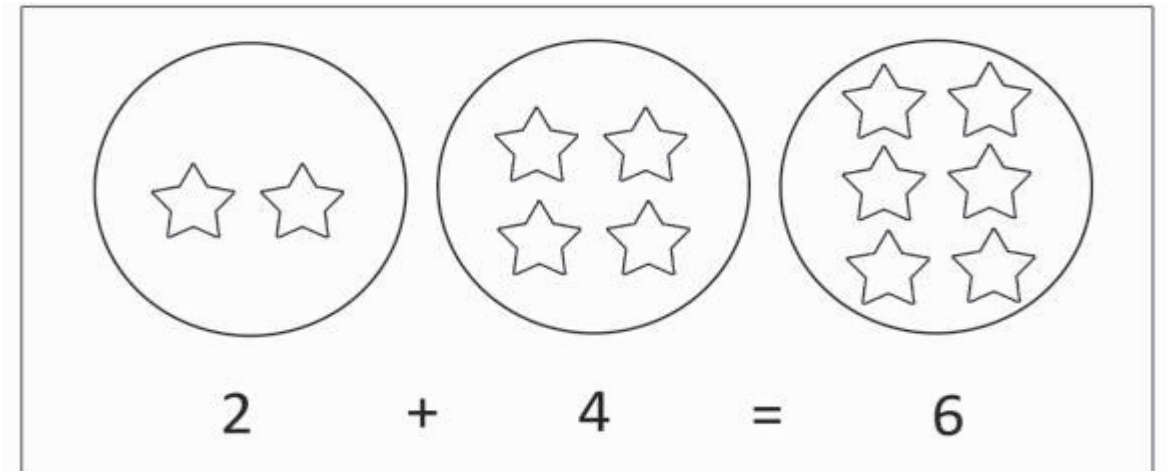
2		
9	-	7
5	-	
	-	5
8	-	
	-	2

23		
73	-	50
	-	43
86	-	
	-	
	-	76

14		
38	-	24
27	-	
	-	30
29	-	
46	-	

## Mi dlami 2. Hepise mi. Kasemi 4

Ngak komahi ne a si zme ke wo a blche zme.



$$5 + 1 = \square$$

$$6 + \square = 9$$

$$2 + 6 = \square$$

$$2 + \square = 7$$

$$3 + 2 = \square$$



















$$3 + \square = 7$$

$$\square + 4 = 8$$

$$\square + 5 = 8$$

**Mi dlami 3. Nyɔngmanyɔngma ke kakaaka. Kasemi 1**

Kane mi aloo kpɔ ɔme kone o wo nɔma aɛe a mi.

 10	 _____
10 10 10	15 15 15
 _____	 _____
	
11 11 11	16 16 16
 _____	 _____
	
12 12 12	17 17 17
 _____	 _____
	
13 13 13	18 18 18
 _____	 _____
	
14 14 14	19 19 19

**Mi dlami 5. Jemi ke je mi. Kasemi 10**

Hla nɔmahɩ ne laa aɛe.

$\begin{array}{r} 25 \\ - \square \\ \hline 13 \end{array}$	$\begin{array}{r} \square \\ - 15 \\ \hline 11 \end{array}$	$\begin{array}{r} 36 \\ - 24 \\ \hline \end{array}$
$\begin{array}{r} 48 \\ - 24 \\ \hline \end{array}$	$\begin{array}{r} 37 \\ - \square \\ \hline 23 \end{array}$	$\begin{array}{r} 59 \\ - 34 \\ \hline \end{array}$
$\begin{array}{r} \square \\ - 12 \\ \hline 6 \end{array}$	$\begin{array}{r} 46 \\ - 24 \\ \hline \end{array}$	$\begin{array}{r} 38 \\ - \square \\ \hline 25 \end{array}$

**Mi dlami 5. Jemi ke je mi. Kasemi 8**

Ngmaa heto ɔme. Ngɔɔ nihi ne o bua me nyɔngmanyɔngma ke kakaaka ame ke bu akɔtaa ne ɔ.

$\begin{array}{r} 25 \\ -12 \\ \hline 13 \end{array}$	
---	--

$$\begin{array}{r} 15 \\ -10 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ -22 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ -12 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ -21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ -15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ -14 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ -12 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ -13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ -10 \\ \hline \\ \hline \end{array}$$

**Mi dlami 3. Nyɔngmanyɔngma ke kakaaka. Kasemi 2**

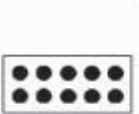
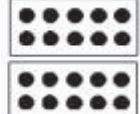
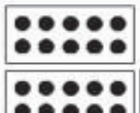
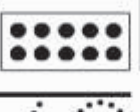


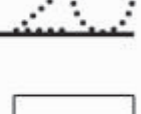
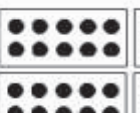
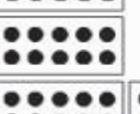
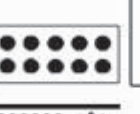


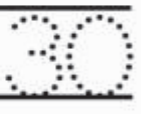
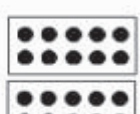

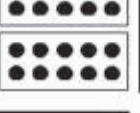
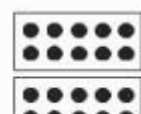
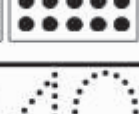
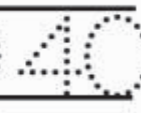
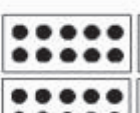

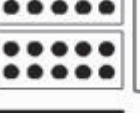
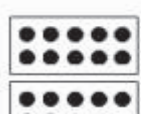
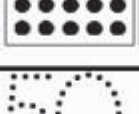
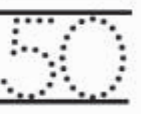



Gbee nya tomi ne ɔme a nya.

	10	<input type="text" value="10"/>			10 + <input type="text"/>
		10 + 1 <input type="text" value="11"/>			10 + <input type="text"/>
		10 + <input type="text"/>			10 + <input type="text"/>
		10 + <input type="text"/>			10 + <input type="text"/>
		10 + <input type="text"/>			10 + <input type="text"/>



**Mi dlami 3. Nyɔngmanyɔngma ke kakaaka. Kasemi 4**

Kane mi aloo kpɔ ɔme kone o wo nɔma aɛe a mi.

 <span style="font-size: 2em; border: 1px solid black; padding: 2px;">10</span> <u>10</u> 10 10	 <span style="font-size: 2em; border: 1px solid black; padding: 2px;">60</span>   <span style="border: 1px solid black; display: inline-block; width: 30px; height: 30px; vertical-align: middle;"></span>
 <span style="font-size: 2em; border: 1px solid black; padding: 2px;">20</span>   <span style="border: 1px solid black; display: inline-block; width: 30px; height: 30px; vertical-align: middle;"></span>	 <span style="font-size: 2em; border: 1px solid black; padding: 2px;">70</span>   <span style="border: 1px solid black; display: inline-block; width: 30px; height: 30px; vertical-align: middle;"></span>
 <span style="font-size: 2em; border: 1px solid black; padding: 2px;">30</span>   <span style="border: 1px solid black; display: inline-block; width: 30px; height: 30px; vertical-align: middle;"></span>	 <span style="font-size: 2em; border: 1px solid black; padding: 2px;">80</span>   <span style="border: 1px solid black; display: inline-block; width: 30px; height: 30px; vertical-align: middle;"></span>
 <span style="font-size: 2em; border: 1px solid black; padding: 2px;">40</span>   <span style="border: 1px solid black; display: inline-block; width: 30px; height: 30px; vertical-align: middle;"></span>	 <span style="font-size: 2em; border: 1px solid black; padding: 2px;">90</span>   <span style="border: 1px solid black; display: inline-block; width: 30px; height: 30px; vertical-align: middle;"></span>
 <span style="font-size: 2em; border: 1px solid black; padding: 2px;">50</span>  	 <span style="font-size: 2em; border: 1px solid black; padding: 2px;">90</span>  

**Mi dlami 5. Jemi ke je mi. Kasemi 5 ke 6**

Ngmaa heto ɔme

**Mi gbami 1**

$6 - 2 = 4$	$12 - 3 = \square$
$9 - 4 = \square$	$15 - 1 = \square$
$13 - 6 = \square$	$19 - 8 = \square$
$18 - 5 = \square$	$16 - 5 = \square$

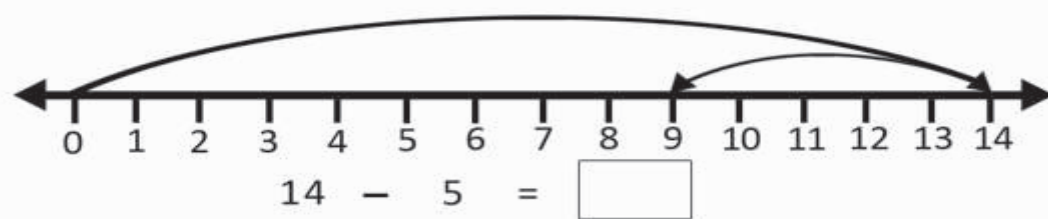
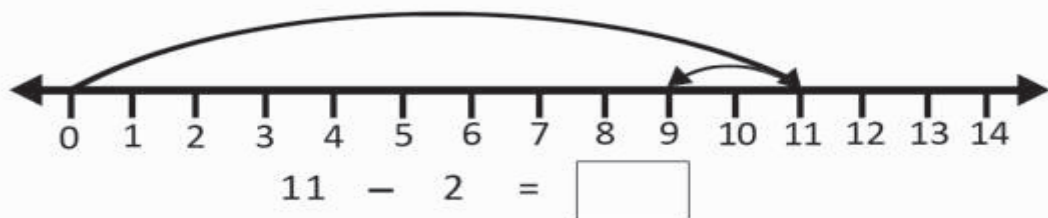
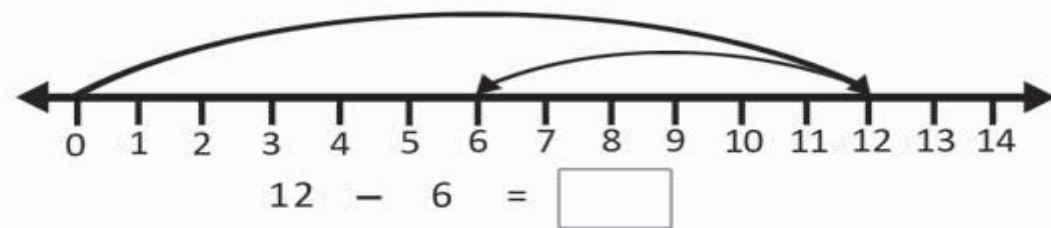
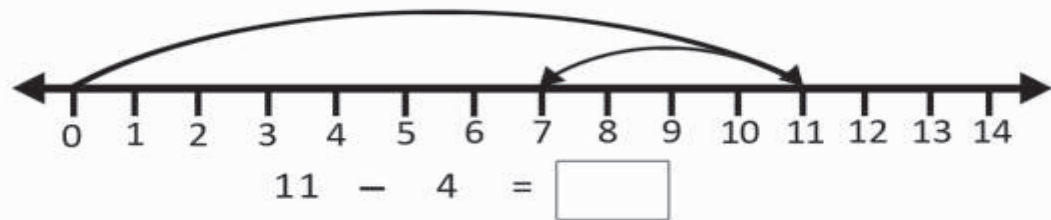
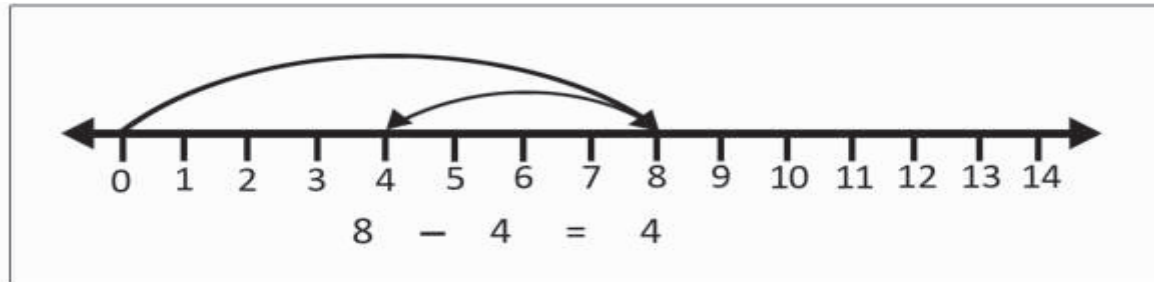
**Mi gbami 2**

$\begin{array}{r} 18 \\ - 6 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 15 \\ - 2 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 19 \\ - 4 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 17 \\ - 3 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 18 \\ - 7 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 16 \\ - 5 \\ \hline \\ \hline \end{array}$



### Mi dlami 5. Jemi ke je mi. Kasemi 4

Ngmaa heto ɔme.





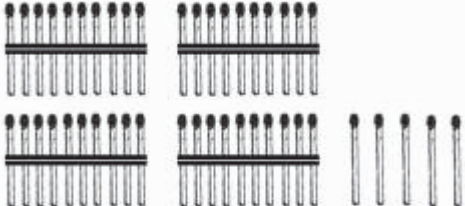
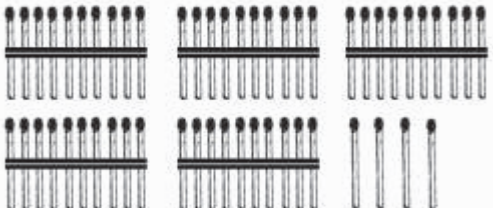
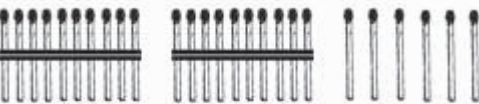
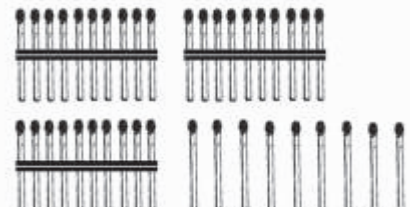
### Mi dlami 3. Nyɔngmanyɔngma ke kakaaka. Kasemi 5

Ngɔɔ maha ni a si ɔme ke wo a blɔhe ɔme.

0	1		3	4	5	6	7		9
10	11		13	14	15	16	17		
20	21	22			25	26		28	29
	31	32	33	34			37	38	39
40			43	44	45	46			
50	51	51	53				57	58	59
	61	62	63	64			67	68	69
		72		74			77		79
80		82			85		87		
90	91		93	94		96		98	99

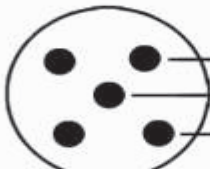


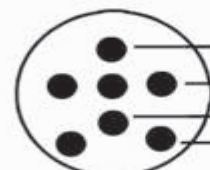
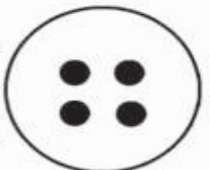
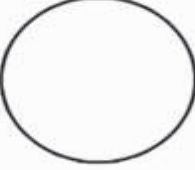
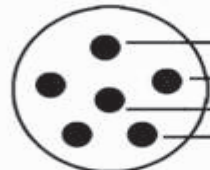

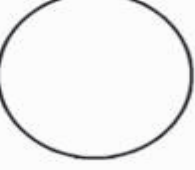
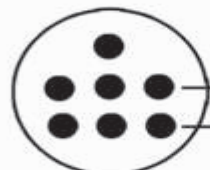
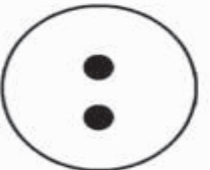
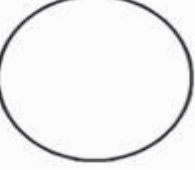
### Mi dlami 3. Nyongmanyongma ke kakaaka. Kasemi 7

Gbee blɔ nya tomi ne zme a nya.

	$10 + 2 = \boxed{12}$
	$20 + 3 = \boxed{23}$
	$40 + \underline{\quad} = \boxed{\quad}$
	$\underline{\quad} + \underline{\quad} = \boxed{\quad}$
	$\underline{\quad} + \underline{\quad} = \boxed{\quad}$
	$\underline{\quad} + \underline{\quad} = \boxed{\quad}$

### Mi dlami 5. Jemi ke Je mi. Kasemi 1

Moo tsɔ aloo pee kpɔ zme nge kloɔ zme a mi zme kone o ngma zma a me.

	$5$	$-$		$3$	$=$		$2$
	$7$	$-$		$4$	$=$		$\boxed{\quad}$
	$6$	$-$		$4$	$=$		$\boxed{\quad}$
	$\boxed{\quad}$	$-$		$\boxed{\quad}$	$=$		$\boxed{\quad}$

**Mi dlami 4. Hepiemi. Kasemi 5**

Moo kane munyuza ne kome. Ngma koma a me. Ngok nihi ne o bua me nyongmanyong ma ke kakaaka a me kone a ye bua mo ke bu akotaa ne k.

I nge womi 6 ne ye nyeminyumu k hu nge womi 5. Womi enye w k kulaa wa nge?

	Nyongma nyongmahi	Kakaakahi
+		

I nge pesuwa 15 ne ye yayo gbe yi pesuwa 30. Pesuwa enyemi i nge?

	Nyongma nyongmahi	Kakaakahi
+		

Nyumuwi 10 ke yihewi 15 nge ni kasemi se kake k. Kaseli enyeme nge ni kasemi se k k k?

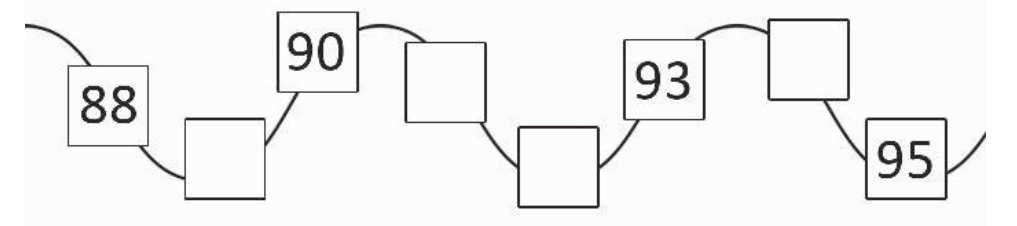
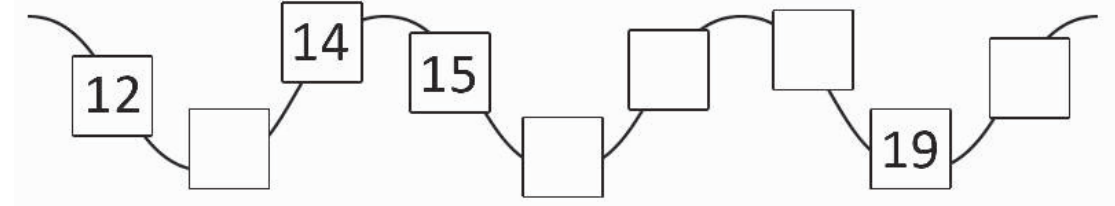
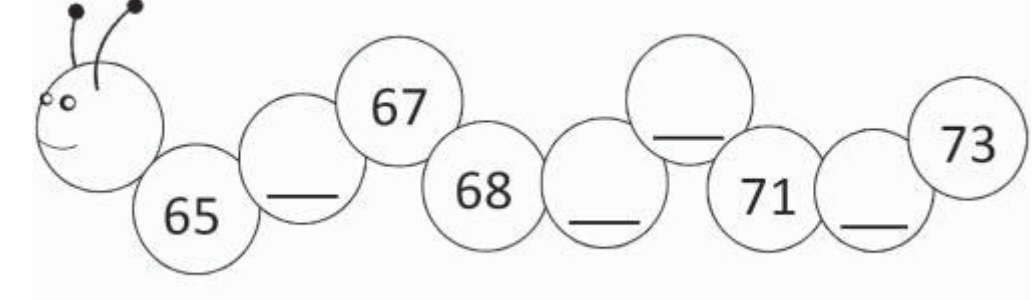
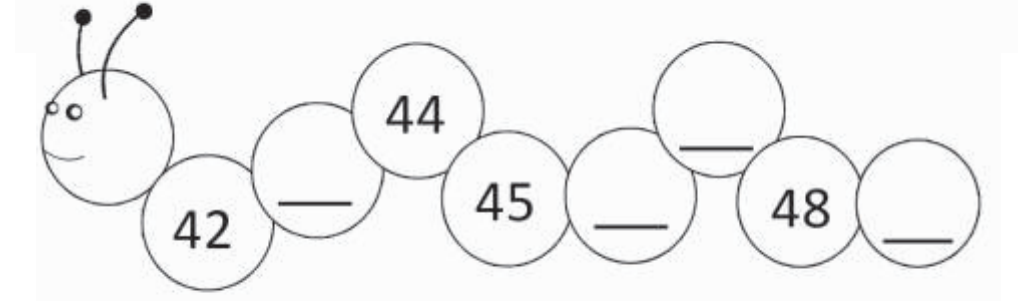
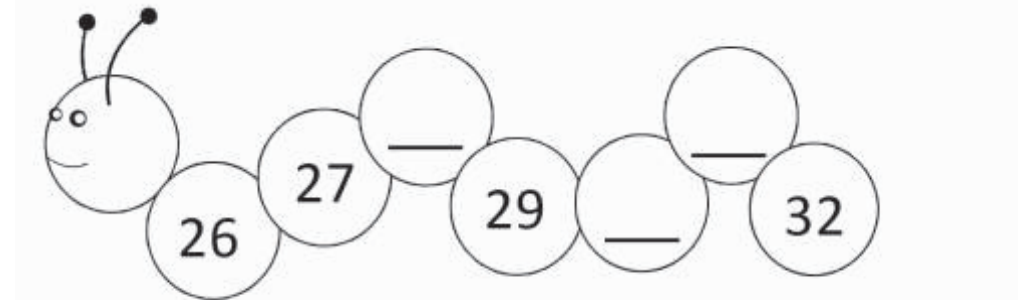
	Nyongma nyongmahi	Kakaakahi
+		

Nate nge pensle 13 ne Tee hu nge pensle 24. Ke a bua a pensle kome k, yib k enyeme a maa pee?

	Nyongma nyongmahi	Kakaakahi
+		

**Mi dlami 3. Nyongmanyongma ke kakaaka. Kasemi 10**

Ngok koma hi ne a si kome ke wo a blake kome.



### Mi dlami 4. Heṛieṛemi. Kasemi 1

Ngḵḵ ḵḵma aṛe ke ṛiee a bi a he. Ngmaa aloo tsḵḵ  
 nyḵngmanyḵngma ke kakaaka abḵ ne nge.

	Nyḵngma nyḵngmahi	Kakaakahi
15	⇒ 1	5
+24	⇒ 2	4
<hr/>		
39	⇒ 3	9
<hr/>		

Ngmaa heto ḵḵe.

Nyḵngma nyḵngmahi	Kakaakahi	Nyḵngma nyḵngmahi	Kakaakahi
22	⇒	75	⇒
+16	⇒	+23	⇒
<hr/>		<hr/>	
⇒		⇒	
<hr/>		<hr/>	
Nyḵngma nyḵngmahi	Kakaakahi	Nyḵngma nyḵngmahi	Kakaakahi
56	⇒	64	⇒
+31	⇒	+25	⇒
<hr/>		<hr/>	
⇒		⇒	
<hr/>		<hr/>	

### Mi dlami 4. Heṛieṛemi. Kasemi 2 ke 3

Ngmaa heto ḵḵe. Ngḵḵ nihi ne o bua me  
 nyḵngmanyḵngma ke kakaaka aṛe ke bu akḵḵaa ne ḵḵe.

#### Mi gbami 1

24	13	14	26
+ 12	+ 15	+ 12	+ 32
<hr/>			
45	31	54	31
+ 23	+ 18	+ 25	+ 84
<hr/>			
<hr/>			

#### Mi gbami 2

22	24	35	28
+ 11	+ 71	+ 14	+ 41
<hr/>			
37	77	34	62
+ 62	+ 12	+ 53	+ 37
<hr/>			
<hr/>			