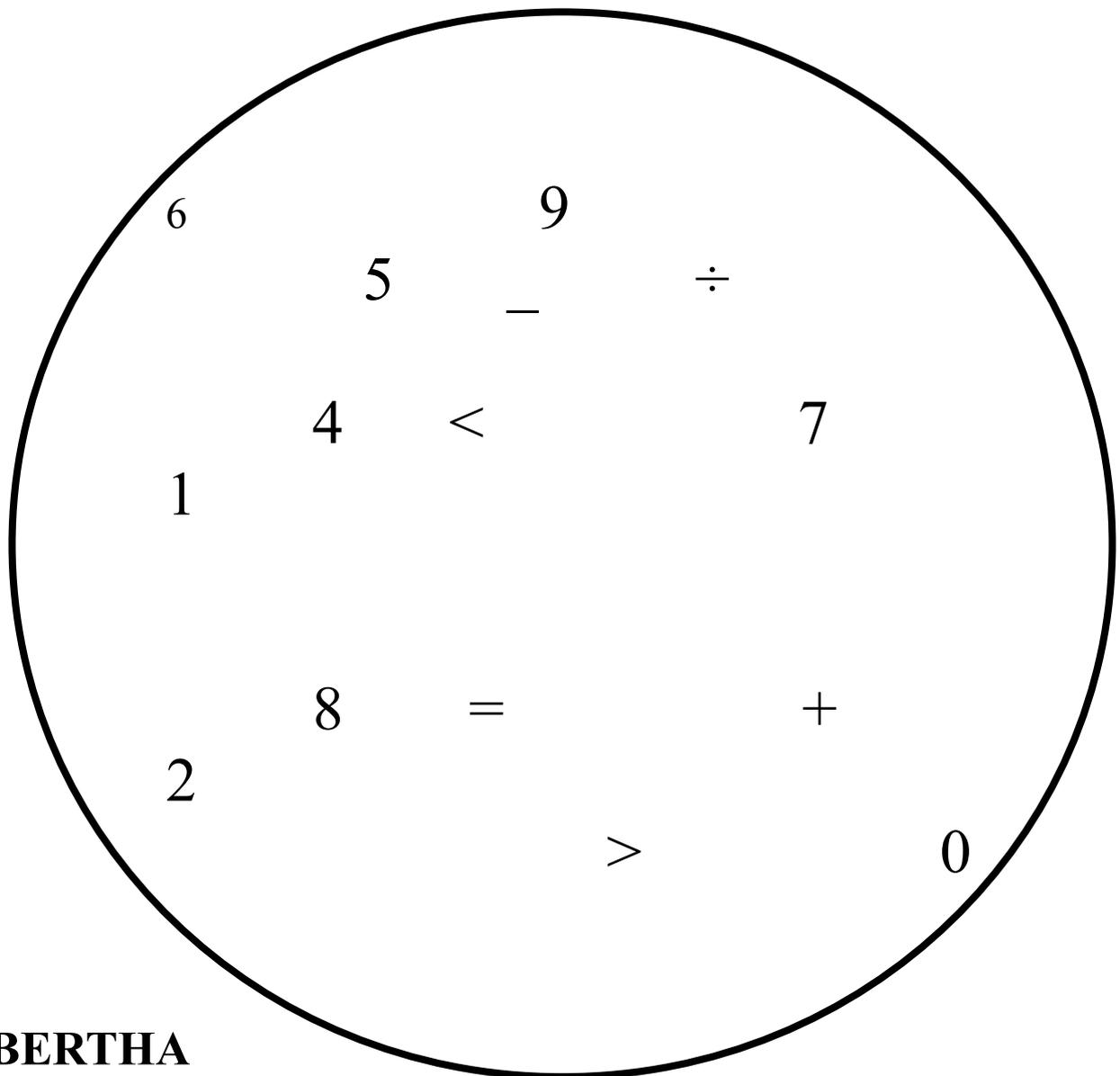


# Al- hisaab Mba algiraayo

Shulindu d'uk'unuñ  
Alkitábá geedú

# 1



**BERTHA**

# Al- hisaab

Tha eglim Benishangúl-Gumuz añá al girayó u añá mus' ilá al-  
kitáb u nineñ mané gígí  
2001

Maaba atafsir / Translated: Abdulkarim Abdurahim, Bedawi Mohamed  
Maabí mus' óne gará / Proofed: Lukman Abdulkadir  
Saqadogane / Assisated by: SIL Ethiopia

Revised Edition 2009

English title: Math for Grade 1

Language: Bertha, spoken in Benishangul Gumuz Regional State and  
in Sudan, Blue Nile Region

This Book is a product of the Benishangul-Gumuz Language Development Project, which is a joint project between:

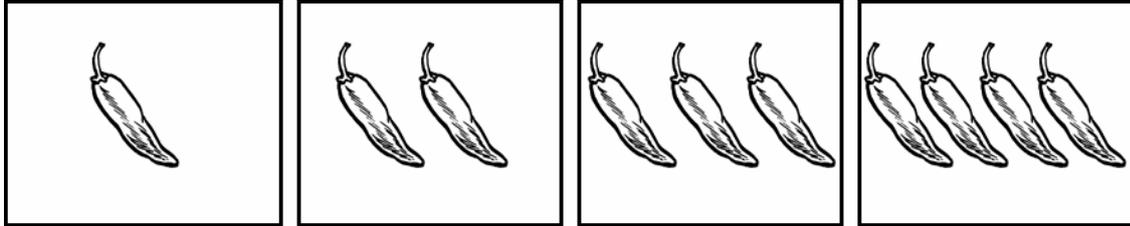
**Education Bureau, Bureau of Culture & Information**

Benishangul-Gumuz National Regional State and **SIL Ethiopia**

# Ak'uso d'ok'unuñ(1)

Alhisáábá há sabilá min tha 1 le 10

Alhisáábá há sabilá min tha 1 le 5



A

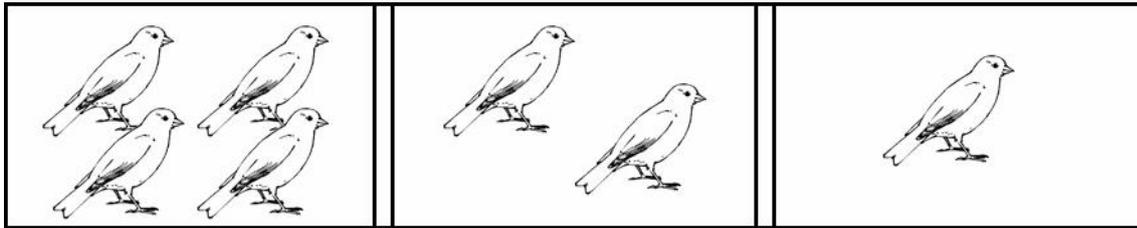
B

C

D

Ándí asandúk'á mbá mááyú ashatha millañ ?

Andi asanduk'a mba maayu ashátha baala shúgo?



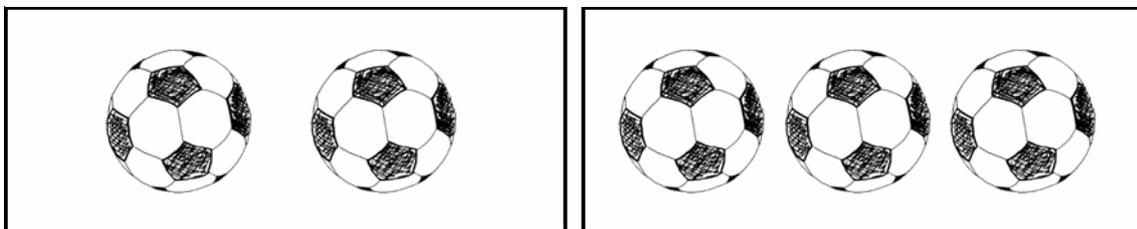
A

B

C

Ándí asand\*uk'á mbá maayu mis'é- shooru míllañ ?

Ándí asandúk'á mbá maayu mis'e- shooru baalá shugo?

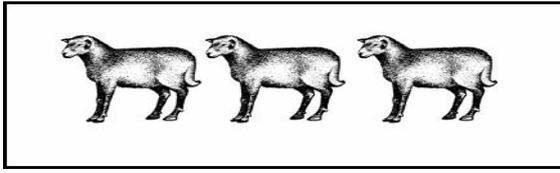


A

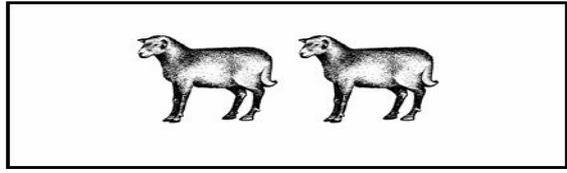
B

Ándí asandúk'á mbá maayu alkúra míllañ ?

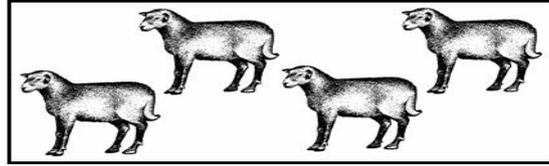
Ándí asandúk'á mbá maayu alkúra baalá shúgo?



A



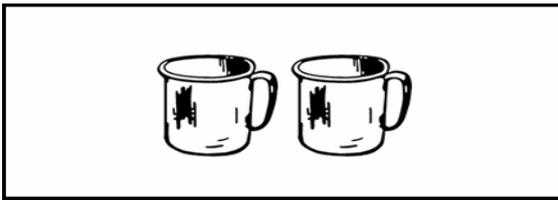
Bi



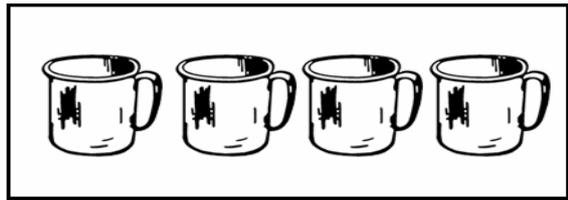
E

Ándí asundúk'á mbá maayu merere míllañ

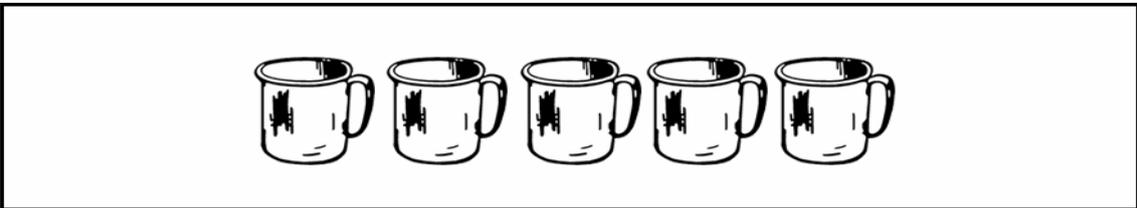
Ándí asandúka mba maayu merere baala shugo?



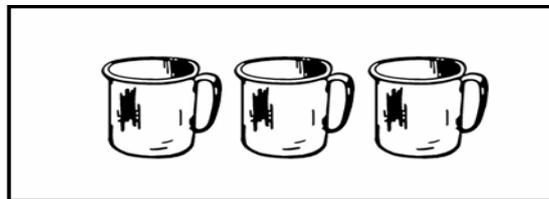
A



Bi



E



Di

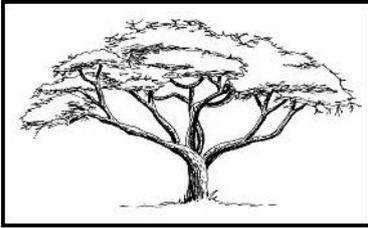
Ándi asunduk'a mayu alkubaya míllañ?

Ándi asunduk'a mayu alkubaya bala shugo?

Giñ ábibídíñu géedí thábáqí tháñ ñínéñ mmané  
Inshañ shágó k'ala geedíe bík'a mare  
ámomothíñuyú shambá zíne map'shí tha sát'úrú

— — — — — — — —  
/ — — — — — — — —  
— — — — — — — —  
2 — — — — — — — —  
S — — — — — — — —  
? — — — — — — — —  
C — — — — — — — —  
L — — — — — — — —  
5 — — — — — — — —  
L — — — — — — — —

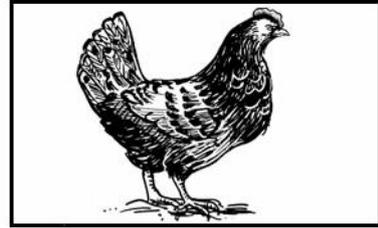
## D'uk'únúñ (1)



S'isíya kamu ziqi?  
= D'duk'únúñ



Al- Arabíya kamu  
ziqi? = D'uk'unuñ



Mis'é kamu ziqi ?  
= D'uk'únúñ

D'uk'únúñ ma katábálá tha animira “1” nmaane

### qi geera 1.2

1. hashala tha thañ shambá kátabiláné háthú máthiñá thathi tha al-wargañ gámayú

1

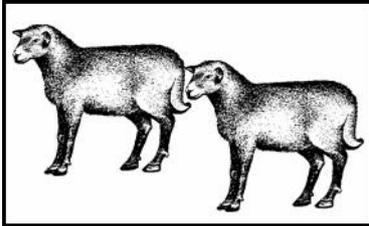
1

1

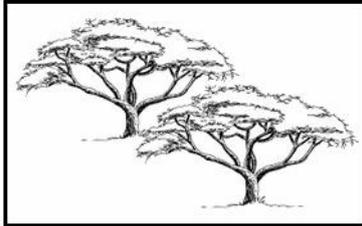
1

2. Thá bus'ik'e – alú giíñ zíí d'úk'únúñ Rothathá

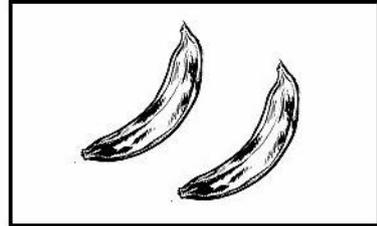
## Holoñoniñ (2)



Merere kamu zii?  
Holoñóniñ



S'is'ía kamuz ziqi?  
Holoñoniñ



Almoz kamu ziqi?  
Holoñoniñ

Holoñoniñ ma katabala tha animira shugo “2” mmané

### qi geera 1.3

1. Hoshalathá tháñ shambá kátabiláne hathu mathiñatha -thí tha .

2

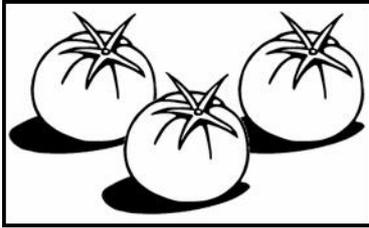


2

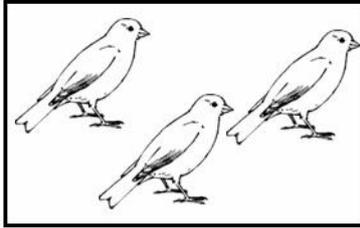
2

2. Thá bus'k'e – alú giñ zii holóñóniñ Rothuthá

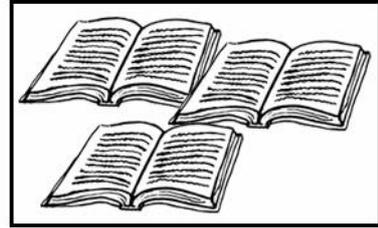
## Taláta (3)



Alt'amt'im?  
Taláta



P'íp'íyo kamu ziqi  
thále ? Talata



Alkitab kamu ziqi  
thále ? Taláta

Talata ma kátábálá tha anímira “3” mmané

### qi geera 1.4

1. Hoshalathá tháñ shambá katabláne hathu máthiñathá- thi thá al-  
wárgá- ñgámayú.

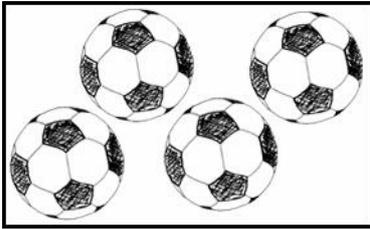
3



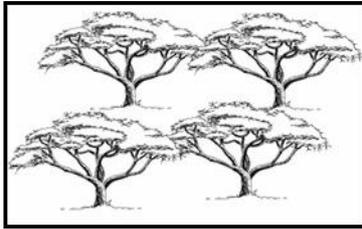
3

3

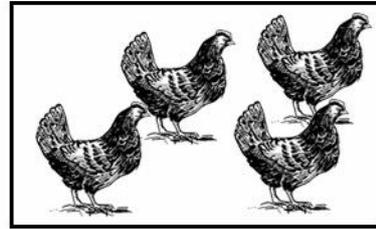
## Arbaqa (4)



Alkura kamu zuqi  
thále? Arbaqa



S'is'ia kamu ziqi?  
Arbaqa

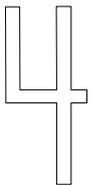
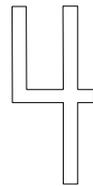
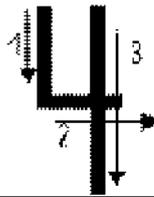
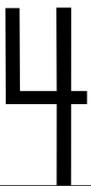


Mis'e kamu ziqi  
thále? Arbaqa

1. Árbaqa makátabála tha animira “4” mmaané

### qi geera 1.5

1. Hoshala thá tháñ shambá kátábláne húthú máthiñathá thi tha- al wárgá- ñgámayu tha algalam- ndu

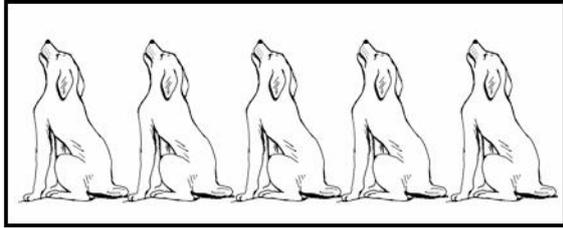


# Hamsa (5)



Shúli kámu zíqí thálé?

Hamsa



Geeli kamu ziqi thálé ?

Hámsa

Hámsa ma kátábálá tha anímira “5” mmaané

## qi geera 1.6

1. Hósholathá sháñ shamba katablá ne huthu mathiñathá thi tha al-wárgá– gagamayü.a- ñgámáyú

5



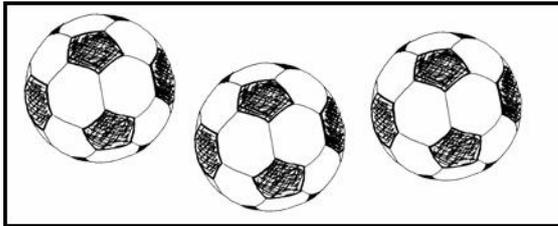
5

5

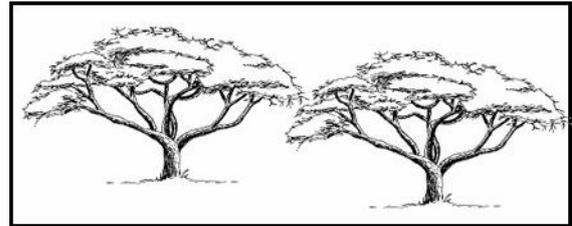
2. Gíñ zíí hathu thá buslik'e mbá holi hámsó Rothathá.

## qi geera 1.7

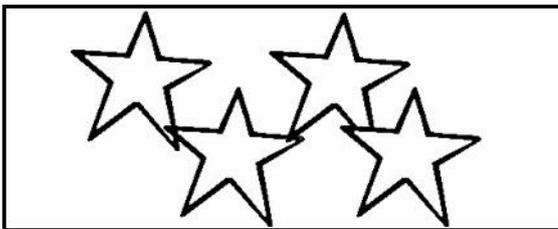
1. Shambá shák'alño tha almithala legu kátabhá anímra tha a sundúk'ú
2. Hoshalathá giñ holithátha-gu tha nímira



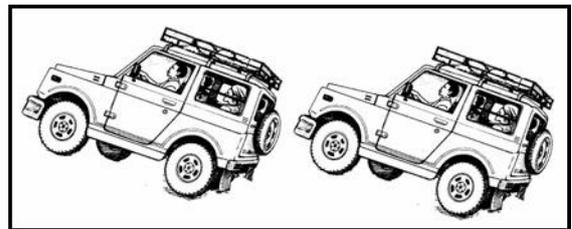
A



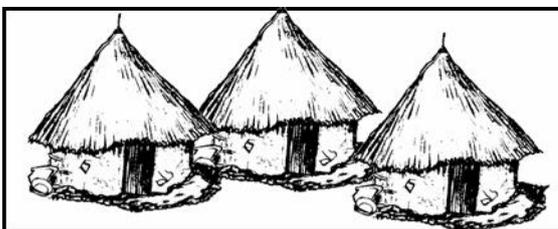
Bí



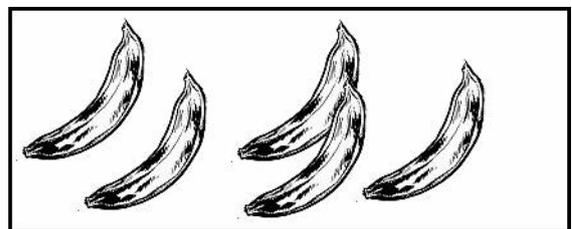
Dí



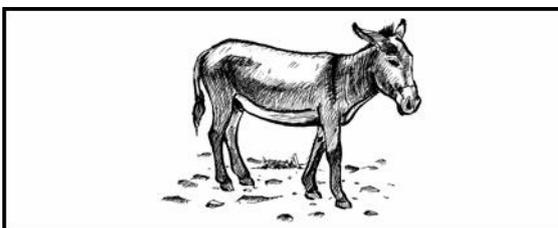
E



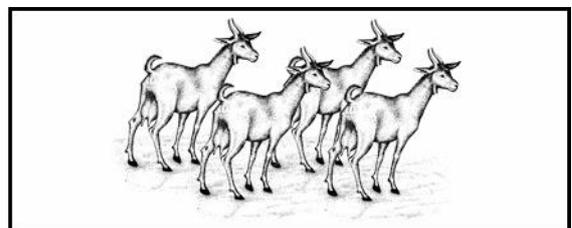
F



G



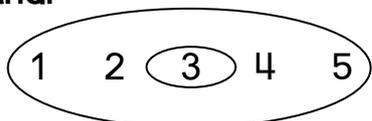
H



I

2. Hoshalathá almíthálé tháñ hathu lik'atha –alu mbá gáshi u háthú Rothatha

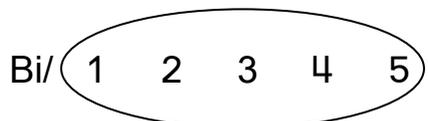
**Mithal**



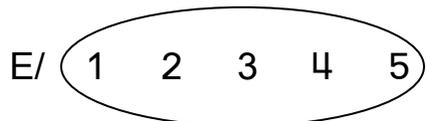
Mádiña talátaqi



Mádiña holóñóníñqi



Mádiña diuk'unuñqi



Mádiña árbqaqi



Mádiñ hámsaqi

**1.2 . Alhísáábá hásbila mintha 1 le 5 ásheruá u Fuud'athá ma mad'u-qi.**

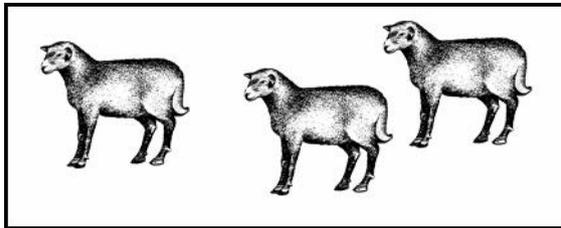
Gabula áñ ásheruthá alhísáábá hasabilá min 1 le 5 gíñ d'ok'o thólayu tha qi geera

**1.7 masal añ shák'ala thá**

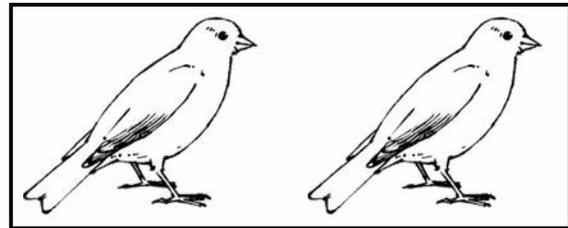
Mín thá shor hatháñ fágado gíñ hór- añ mbá walá hór-añ. Añ aháháthá min thálo baró. Añ shák'lala káne mbálégú.

## qi geera 1.8

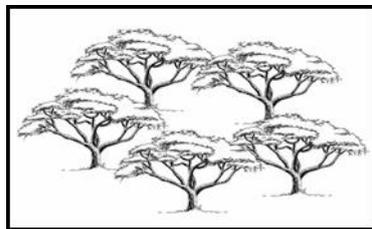
Gíñ zíqígú tha asandúk'ú hásabathaqi háthú mótháthá d'ok'otha tháñ



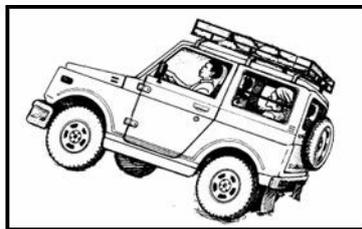
A



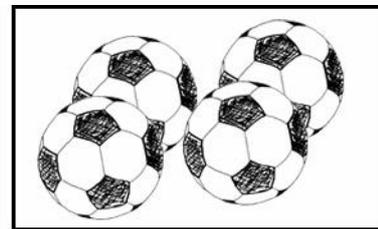
B



E



Di



F

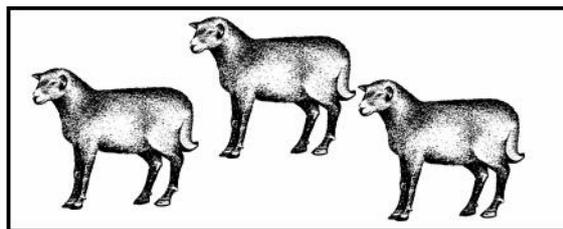
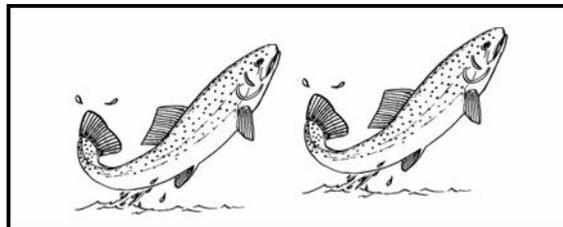
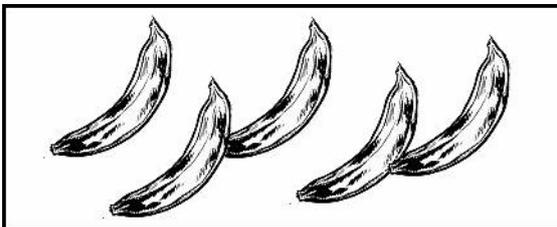
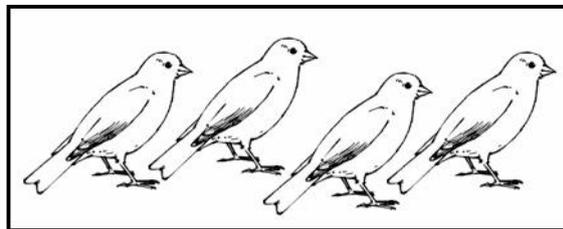
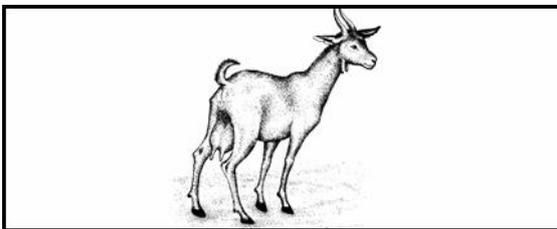
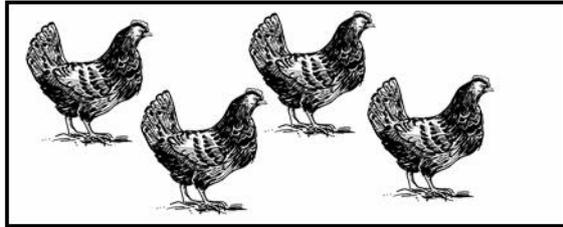
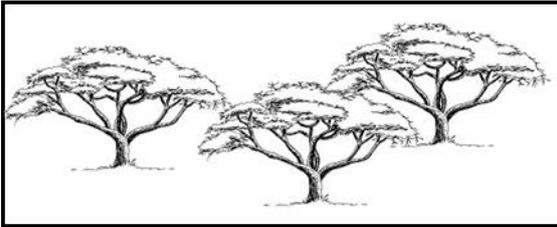
- A) Ándí mbá zíí 2?
- E) Andi mba zii 3?
- I) Andi mba zii 4?
- O) Andi mba zii 1?
- U) Andi mba zii 5/ hámsa/ ?

Shambá fágádóñáne tha qi geera 1.8 hatháñ gádari áñ rotha gíñ hór-  
añ u mbá k'ós'í. Áñ aháthá mín thálo baró áñ shák'alá asheruo

# qi geera 1.9

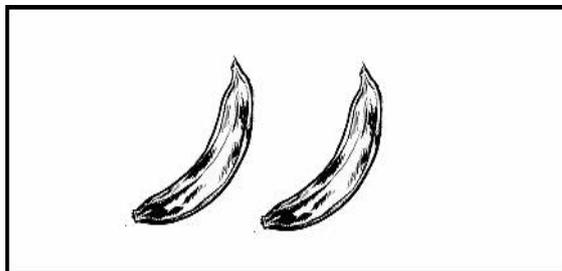
Ándí mbá hor-añ?

Ándí mbá k'os'í

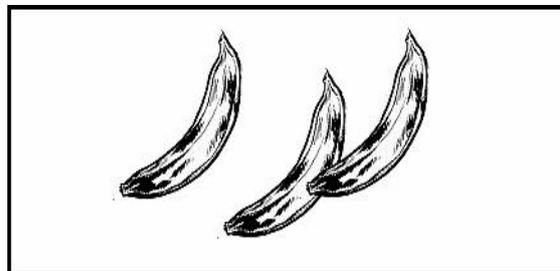


# KOS'Í(<)

Mithíl sufíya ma gíditha almóz holoñónín u Mahámad taláta mín thá máreyú ndá gídi almózá hór- añ?



Almózá sufía



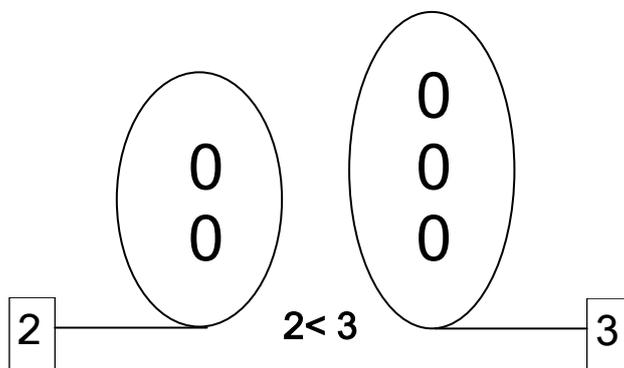
Almózá mahamad

2 < 3

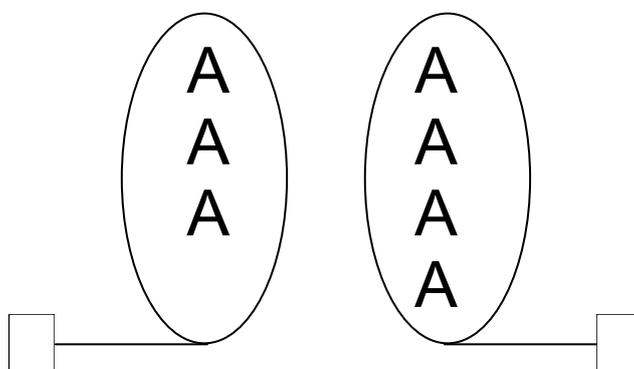
Gíle "<" "Mádiñ gíñ k'ós'íqi

## qi geera 1.10

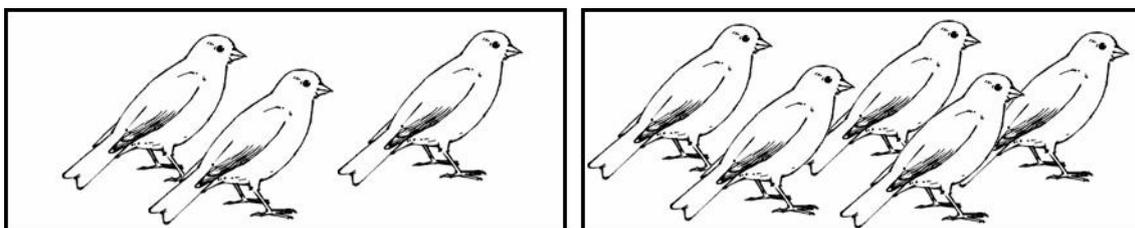
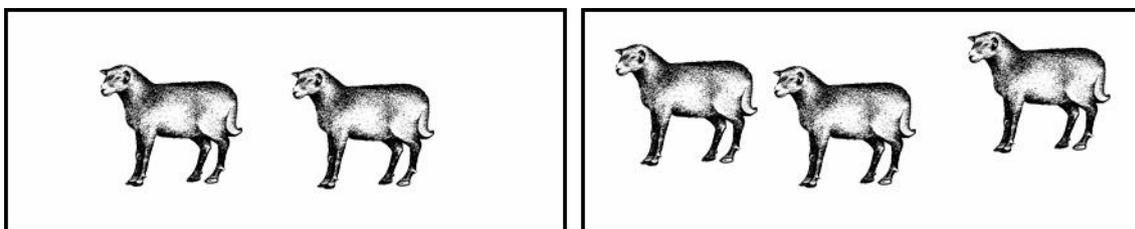
Ásheruthá míthil mbá maadarò/shoorú



1 /



2/



### D'añi (>)

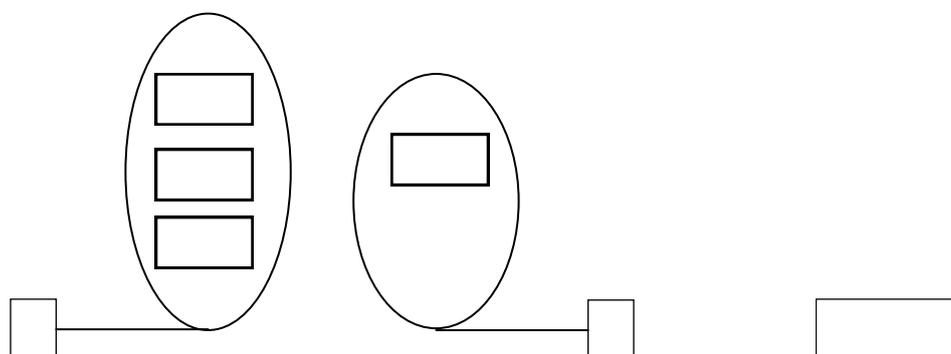
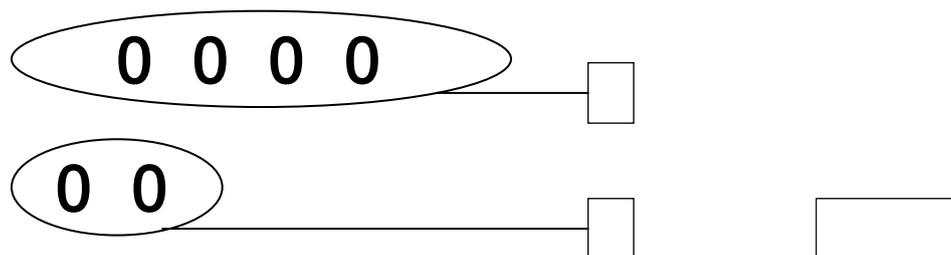
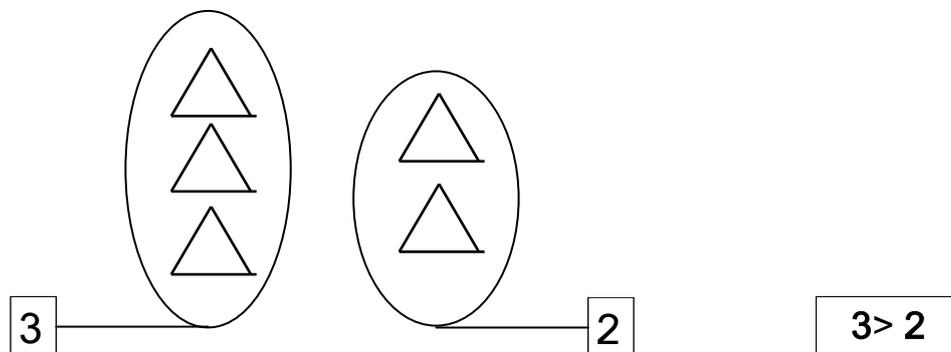
Masal Mahamad ma gidi almóz taláta u Sufiya holoñóniñ Mín holoñóniñá mare mahamad ñineñ gídine míllañ Ahsan shugo áñ k'ala almoz Mahamad d'añii gor almozá sufiya.



Gíllé ">" mádiñ gíñ d'añiqí

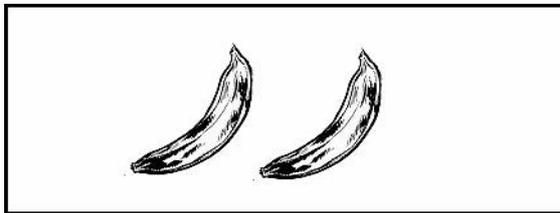
# qi geera 1.11

Ásherthá míthil almásáilálé

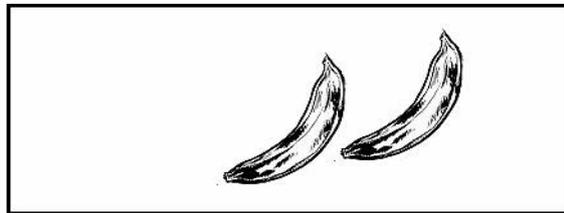


## Na namu (=)

Masal Mahamad U. Sufia ma gíditha almózgú Holóñoniñ Áñk'ala sha  
Almósá mare namuqígú tha anímira.



2

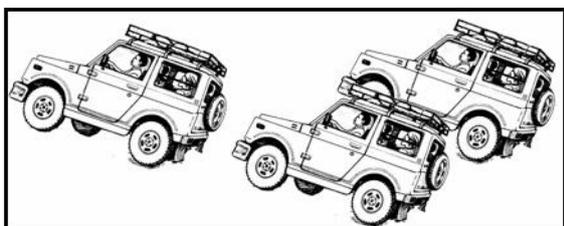
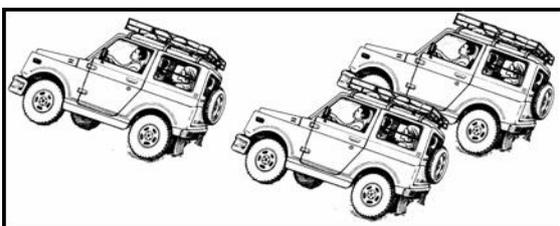
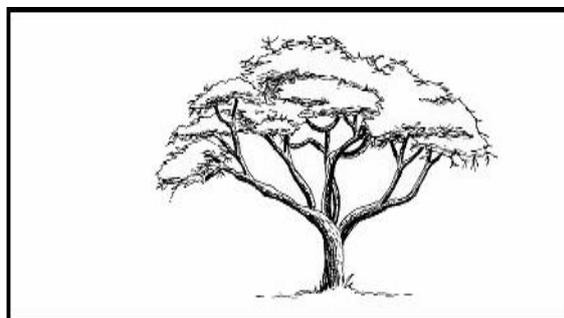
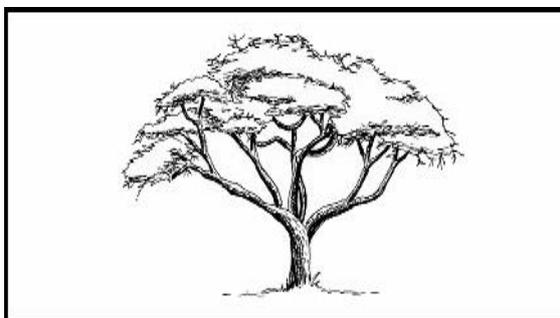


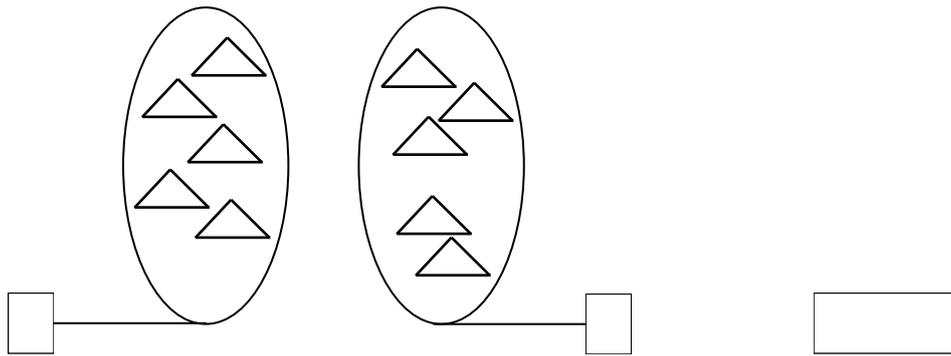
2 = 2

2

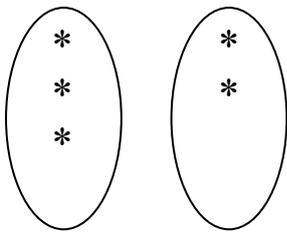
## qi geera 1.12

Ásheruthá míthil almásáldlé

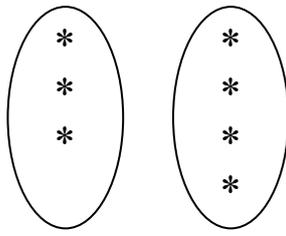




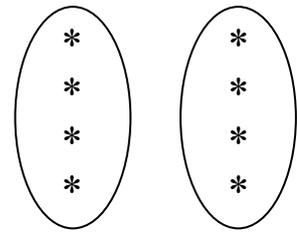
qi k'oda



$$3 > 2$$



$$3 < 4$$



$$5 = 5$$

$3 > 2$ , “taláta d'añi holoñóníñéqí”

$3 < 4$ , “taláta k'os'I arbaqaeqí”

$5 = 5$ , hámsa namuqí thá hámsa-le



1/ Ásheruthá tha mbalégú <, > wálla tha mbálé =

Másal :  $2 < 3$ ,  $d = 3$ ,  $3 > 2$

A/  3

B/  5

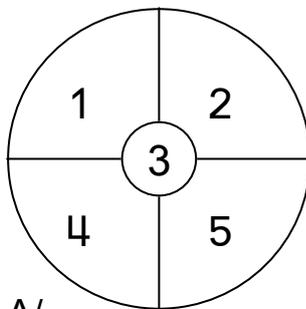
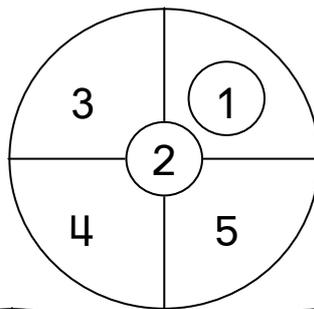
I/  4

DI/  5

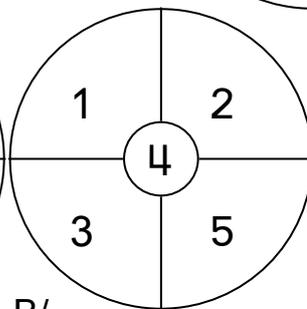
E/  1

F/  5

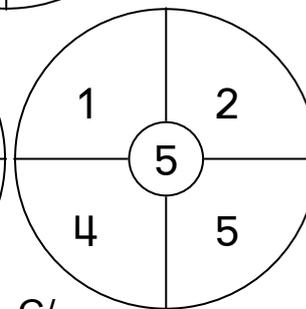
2/ mithil a almásálalé ale líya—alu mba k'os'I min mba zii tha niniyu másal:-



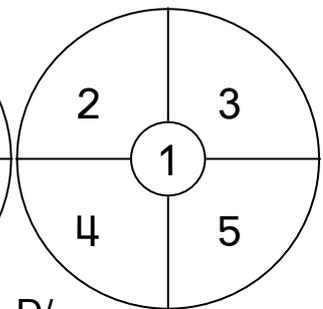
A/



B/



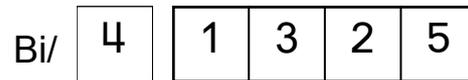
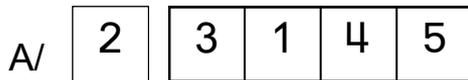
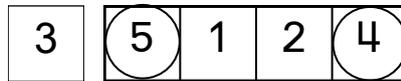
C/



D/

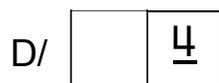
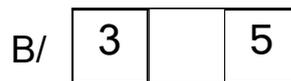
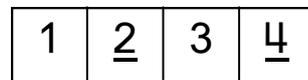
3/ míntha almásálaíyú Liik'athá animira- alú mba zii tha asanduk'a Ziudyu mbá d'oñondí animira thuthóeqí.

masal



4/ Áhorathá animira d'uthuqí míthil almasalale

masal



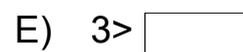
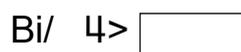
5/ A ñá d'uthuné áhorathá míthil almásálalé

Masal

4 > 3

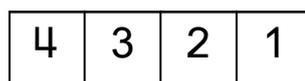
4 > 2

4 > 1

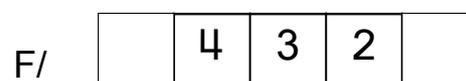
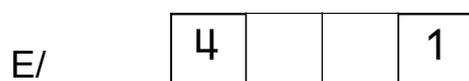
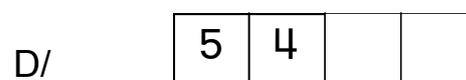
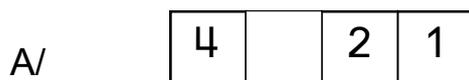


6/ Thá asandúk'á bulúyú kátabathá animira duthuqí ma mad'uqí masal:1 almasalale.

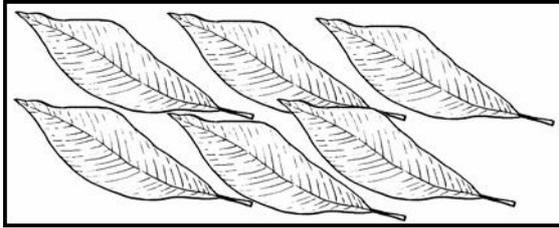
masal:1



Mithal 1

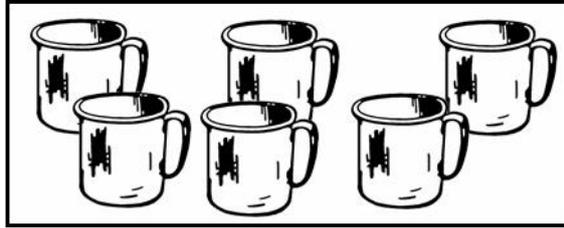


### 1.3. Al- hisábá háabilá min 6 lé 10



Duudu kamu ziqi thalé?

Síttá



Alfinjáñ Kámu ziqí thale?

Síttá

Síttá ma kátábálá tha anímira shúgo “6” mmaané

#### qi geera 1.14

1. Hosholatha thañ shamb 6 á kátabláne hath u mathiñathá -thi tha al-wárgáñgamayú.

6

6

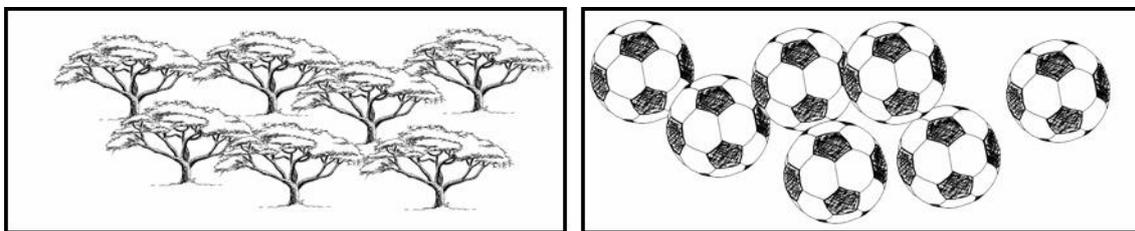
6

6

2. Mín tha mbáléyú áhuhathá animira mbá mádiñ síttaqi

6, 2, 3, 4, 5, 1

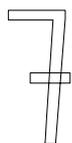
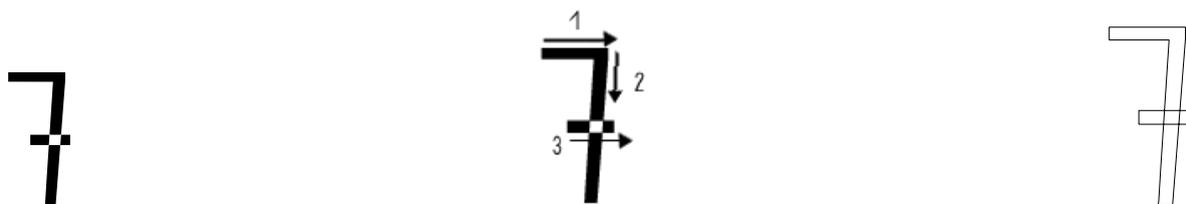
## Sábaqa(7)



Sábaqa ma kátábálá tha anímira shúgo “7” mmaané.

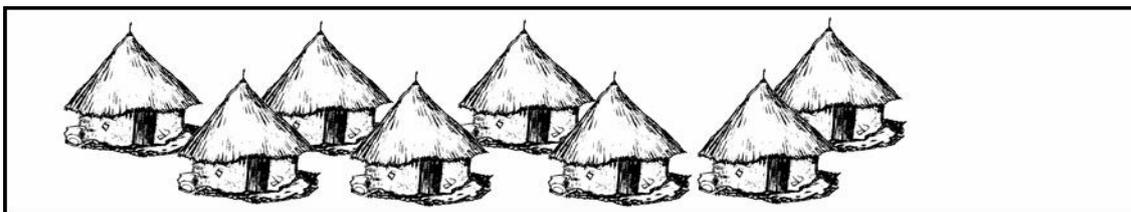
### qi geera 1.15

1. Hosholathá thañ shambá kátabláne háthú máthiñathá -thi tha alwárgá-ñgámayú.



2. Mín tha animíráléyú áhuhá thá animira mbá mádiñ sábaqa-qi  
6, 7, 4, 3, 5, 2,

## Tamáániya (8)

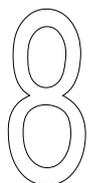


Shuli Kamu ziqigu thálé?  
tamáániya

Tamáánia ma kátábálá tha anímira' shúgó "8" mmane

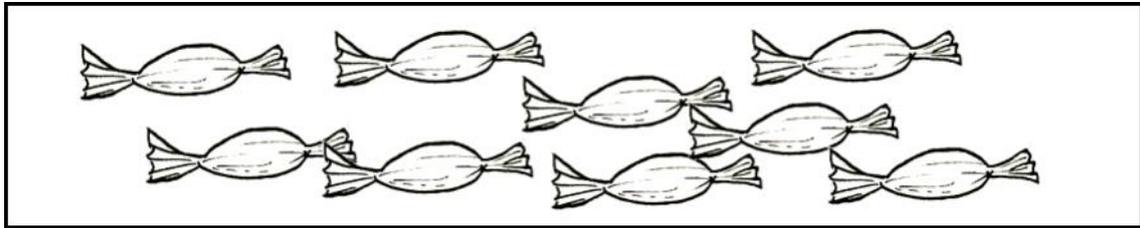
### qi geera 1:16

1. Hoshalathá tháñ shamb ba kátablané húthú máthiñathá thi tha al-wárgañgámáyu.



2. Mín thá anímiráleyú áhuhathá anímírámhá mádiñ talmániya qi  
1, 2, 4, 8, 6, 7.

## Tísaqa (9)



Alhalwa káma ziqi thale ?

Tísaqa ma kátábálá tha anímira “shúgó” “9” mmaané

### qi geera 1.17

1. Hosholathá thañ shambá kátábláné hathu máthiñatháthi tha alwargo-ñgamáyú.

9

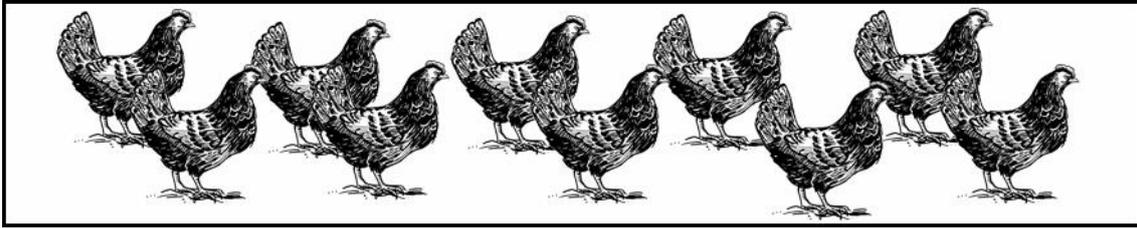
9

9

9

2. Mín tha anímíráléyú áhuhathá anímírá mbá mádiñ tísaqa-qi  
1, 9, 4, 6, 10, 8

## Ashara (10)



Mis'é kámu ziqi thálé?  
Áshara

Áshara ma katábálá tha animira shugo (10) mmaané

### qi geera 1.18

1. Hoshotha thañ shambá kátábláne háthú máthiñathá thi thá alwárgá-ñgámayú.

10



10

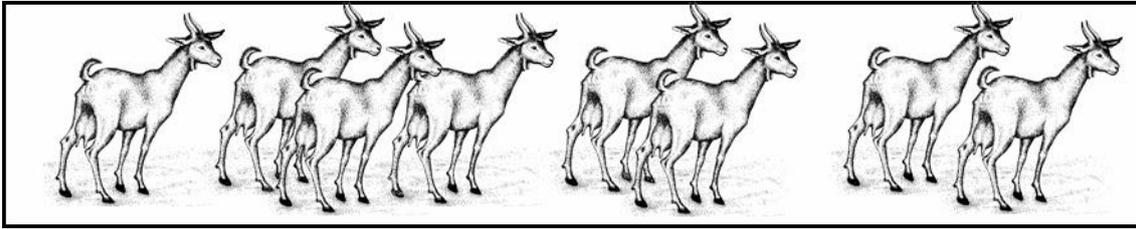
10

2. Mín tha mbáléyú áhuhathá anímírá mbá mádiñ áshara qi  
1, 2, 3, 4, 5, 19, 7, 6, 9, 8

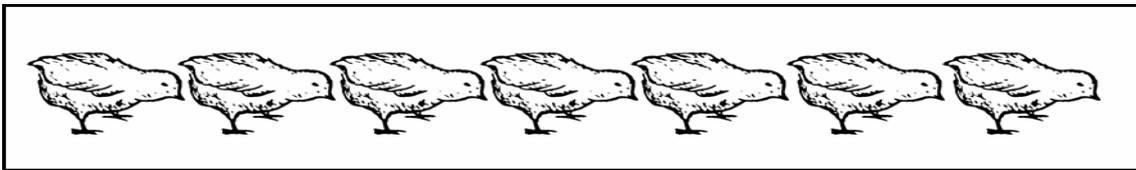
## 1.4 Ásheru aihísáaba hásubilá min 6 lé 10

### qi geera 1.19

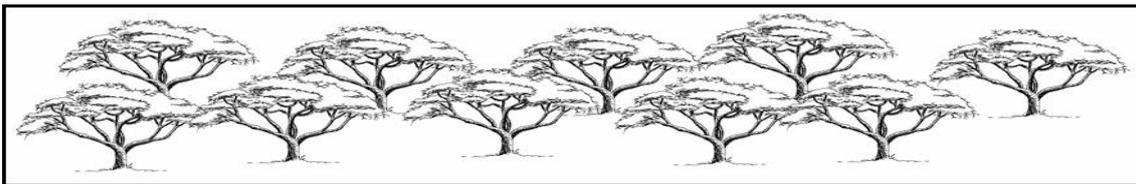
Gíñ zíí tha asandúk'ú hásubatháqigú háthú mothatha d'ok'ohan thañ



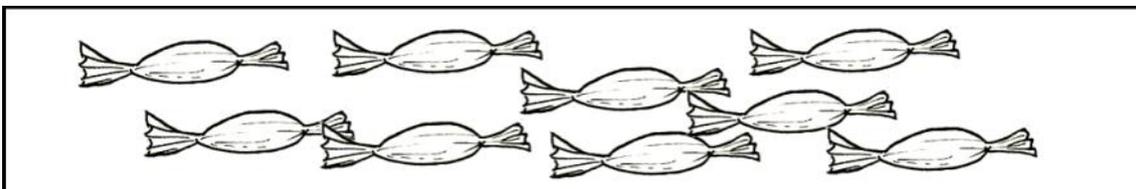
A



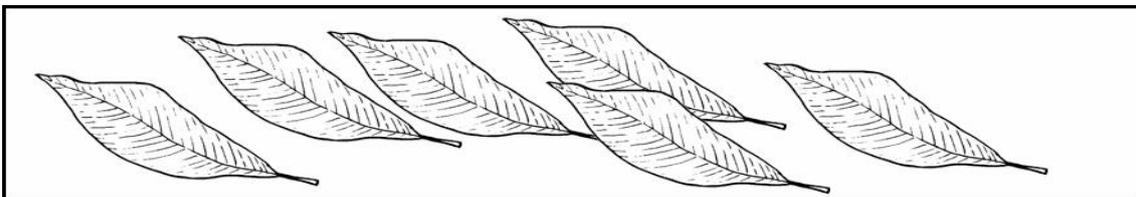
Bi



Di



E



F

A./ miya . Kámu zii thálé? Bi/ Alhalawa Kámu ziqi thale?

Di/. S'isiya Kámu zii thale? E/.Dudu Kámu ziqi thale?

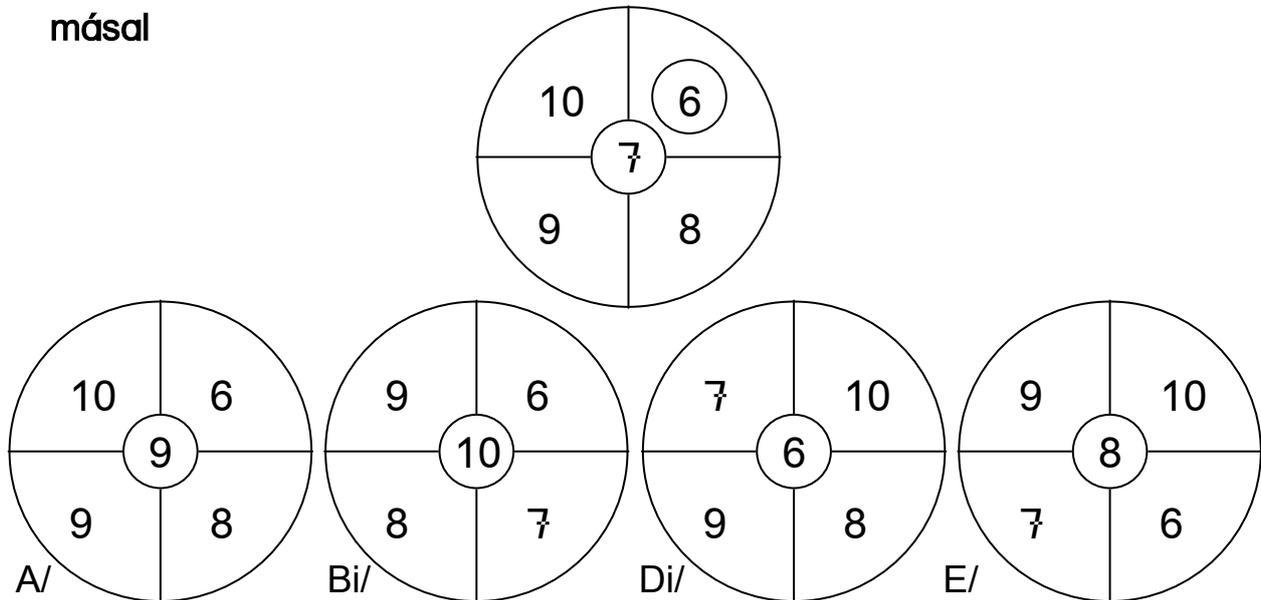
F/ p'íp'íyo Kámu zii thálé?

E/ Aba da' bawot 7?

## qi geera 1.20

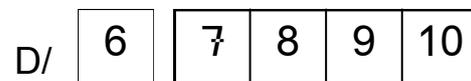
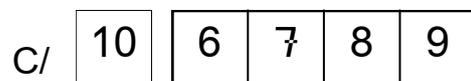
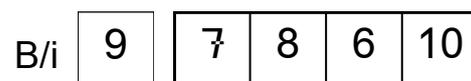
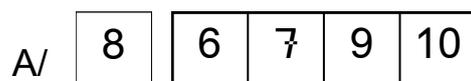
1. Míthíl almasalale ale Líík'á –alu mbá zííthá níníyú.

másal

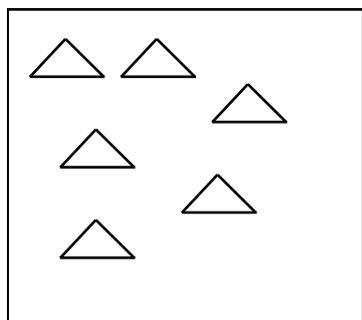


2. Mínthá almásáláléyú Líík'áthá anímírá- alú mba zii tha asandúk'á ziu -nduyú mbá d'oñondí anímírá thuthóéqí

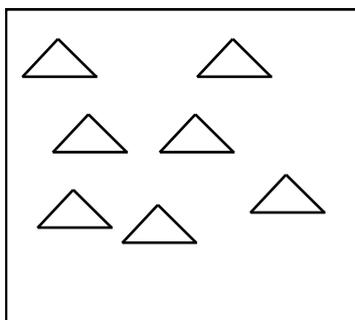
Másal



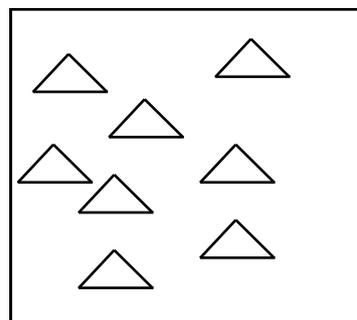
## Másal



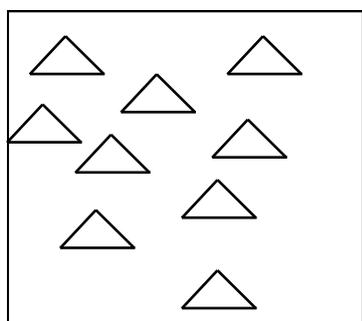
6



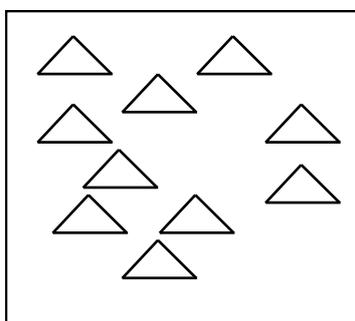
7



8



9



10

8 < 9    8 < 10    9 > 6    9 > 7    9 > 8

## qi geera 1.21

Míthil almasalale tha shóóro áharathá mbá d'uthuqí

A/ 6 >                       7 >                       9 >

6 >                       7 >

6 >                       7 >

6 >

B/ 10 >                       8 >                       7 >

10 >                       8 >

10 >

10 >

E) Áhorathá asandúk'álégú shambá zíiné tha almásáláléyú

**Másal 1**

	7	8	9
A/	7		9
Di/	6		9

**Másal 2**

	6	7	8
Bi/	8		10
E/	7		10

4. Anímirálegú thá búlúeqí kátabathá ma mad'uqí min tha mbá k'ósíyú tha mbá d'añyúeqi u mín thá mbá d'añíyu tha mbá k'os'iyuwéqí 7, 6, 10, 8, 9,

A) Mb'á k'ós'í tha mbá d'añiyuweqí.					
-------------------------------------	--	--	--	--	--

B) Mb'á d'añítha mbá d'añiyuweqí uweqíweqíueqí.					
---	--	--	--	--	--

1.5 Alhisáábá zíí thandulegú min 1 lé 10 ála ásheru Alhisáábá zíí thandulegú mín 1 lé 5 u min 6 lé 10 maadóña shainé asheruoñane. Ashan shúgo alhisáábá zíí thandule ma Fuud'aña mbá k'so's'i tha mba d'añíyúwéqí.

“6”le “10” ma fud'aña káne ma mad'uqi mba k'os'i tha mba d'añiyueqí

1	2	3	4	5
---	---	---	---	---

Alhisáábá zíí thandule min 6 lé ma fuud'ála káne ma mad'uqí mbá k'os'oi tha mba d'añíyúeqí

6	7	8	9	10
---	---	---	---	----

**Masal**

--	--

Gíñ zíí tha asandúk' holóñóníñú ma hásábáñáqi mba tharhu k'os'i tha d'úk'únúñ. Ashan shúgo 5<6

### qi geera 1.22

1. Ahoratha añá walá maayú

Másal

$6 > 5$

$6 > 4$

$6 > 3$

$6 > 2$

$6 > 1$

10>	<input type="text"/>

9>	<input type="text"/>

8>	<input type="text"/>

7>	<input type="text"/>

## Mbá thárhú u mbá mád'í ajap'iné

Geedí gárraqí maadatha geediléqi. Ádam maré záhara u Hááshim.

Adam

Záhara

Hááshim

Ndáló tharh'U záhareqi ?

Ndáló mad'i zahara gundi?

Ádam wa ñineñ thárhú záhareqi.

Hashim ñineñ mad'i zahara gundi.

Alhisaaba zii thandule kane ma hoshalava thav ziqi mba tharhu u mba mad'ine.

Mithoa	2	3	4	2 ñineñ tharhu 3
	4 ñineñ mad'ila gundi 3			

Alhisáábá zíí thandule ma k'os'áqi thá 1 anímírá mád'I ñine s'ullá sha mba tharhu.

**Masal** 1. 5 k'os'i 6 tha 1. Ashan shugo 5 ñineñ tharhu 6

**Masal** 2. 3 k'os'i 4 tha 1. Ashan shugo 3 ñineñ tharhu 4

Alhasaaba zii thandule ma d'añaqi tha1 animira thar nine hueqi sulla sha mba mad'ine.

**Masal (Mithal)** 1. 6 d'añi 5 tha 1. Ashan shugo 6 ñineñ mad'i la 5

**Masal(Mithal)**2. 3 d'añi 4 tha 1. Ashan shugo 4 ñineñ mad'i la 5 la 3

**Masal** 3. 8 d'añ i 7 tha 1. Ashan shugo 8 ñineñ mad'i la 7

### Thámáthá thaalúyú

1. Anímíra zíí thandule ma d'ááñé anímíra d'uk'únúñ ñineñ thar ñine hu.
2. Anímíra zíí thandule ma d'ááñe animírá d'uk'unuñ ñinéñ mad'ine.
3. Anímíra zíí thandule u mbá mád'íne thá níníyú wálá anímira máñ zíqí mba zíí thandule .
4. Anímíra zíí thandule u mba tharhu tha níníyú animira zii thandule wala ziqi .
5. Anímíra zíí thandule ma walá máá mbá tharhu wallá mbá mád'í ma k'os'é mare tha níníyú animírá zíí thandule zíqí d'uk'únúñ.

### qi geera 1.23

1. Mith1 almithalale ahoratha añá mba d'eñethyu.

1. masal “1” almasálalé ahorathá añá mbá d'eñethíyu.

#### Masal “1”

4 ñineñ tharhu 5

6 ñineñ mad'í 5

#### Masal “2”

1 ñineñ tharhu 2

3 ñineñ mad'í 2

A/ ninéñ mad'í 3

Bi/ ninéñ thárhu 3

E/ ninéñ thárhu 9

Di/ ninéñ thárhu 9

F/ ninéñ thárhu 7

Anímíra zíí thandule	Mbá thárhu	Mbá mád'í
2		
	3	
		7
	5	
3		
	2	

## Ak'us'o holóñóníñ

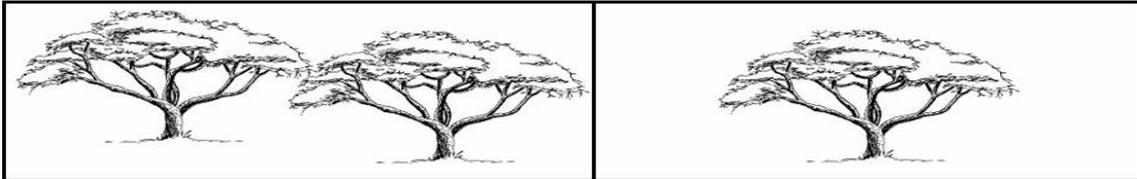
Alhisáábá zíí thandulegú mín 1 lé 10 álé thap'aqi u ale nágasa

2.1 Alhisaaábá zíí thandule min 1 lé 10 álá tha p'a

Rotha

fiili mba

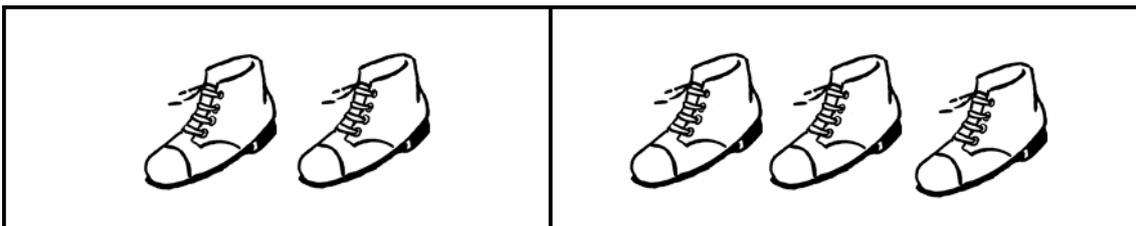
tha tha p'u



Mahatháñ aháthé min 2 añ thap'á – álú thá 1 gi 3. Ma kátábálá tha anímíra  $2+1 = 3$  Shambale p'ulilaneqi

Gile “+” alqalámá“ thathap'únné”

Gilé “=” madi háthú sha alqalámá giñ namuqínnéyá?  $2+1=3$  ma gárráálá “holoñoniñ ma thap'alé thá d'úk'únúñ namuqí thá tálátale” ninéñ k'alláne.



$$2 + 3 = 5$$

2+3= 5 rotha namu qi thathap'u mmaane , 2u 3 thap'u-alúgú 5 shíñ mba thap'uoqi mmaané.

A. Bi, U, Di ma maatha alhisáábá zíí thandulegú

A+Bi = Di min tha rotha namuqileyu A u Bi ma mba thap- alugu "Di"  
Shiñ mba thap'uoqi

3 ma thap'alé tha holloñoniñ gíí jamsa(5)  
Animira thap'u- alugu ma athohole walla thohiqi.

Thámáthá thalú A u B ma maa alhisaaba zii thandule  
A+B = Bi+A asse mmaané

Mahal

0 0	0
0 0	0

4 + 2 =

0 0 0
0 0 0
0 0 0

6

0	0 0
0	0 0

= 2 + 4

\*\*\* \*

\*\*\* \*

6 + 2 = 8

### qí geera 2:1

Máthal 3A shak'ala tha almasalale ,másal 3+4 = 7

A/ 3 + 3 = 6

u  thap'uoqi mmaane

ma thap'u -alugu

2 + 6 + 8

u  thap'uoqí mmaané

Tthap'oqi mmaane

2. Áhoratha Asandúk'á ziiyu ndu' míthil almasálalé

	Thapiu'- alú	Thap'u'–alú	Thap'u'qi (dima)
$2+3=5$	2	3	5
$4+2=6$			
$8=7+1$			
$1+1=2$			
$3=2+1$			
$4=3+1$			
$2+2=4$			
$5+2=7$			

3. Mótháthá d'ak'othalé ma ase wala bus'añ

A/  $2+3=3+2$

B/  $2+4=4+2$

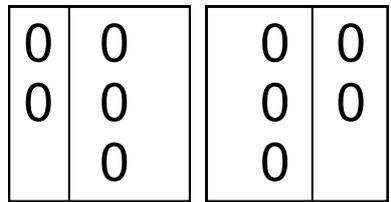
C/  $1+5=5+1$

D/  $2+4=4+2$

E/  $7+2=2+7$

# qí geera 2:2

Shák'alathá almasalale

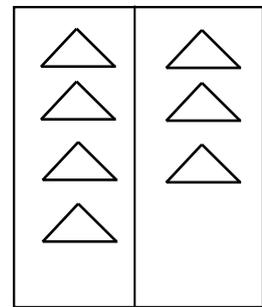
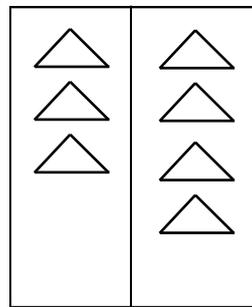
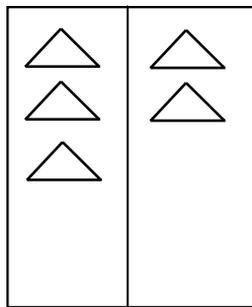
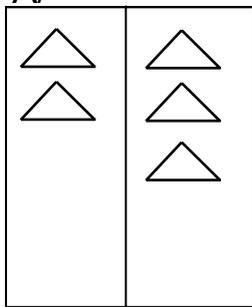


$2 + 3 = 5$

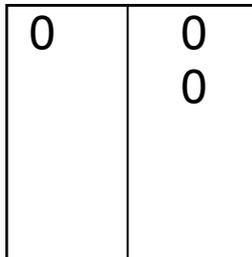
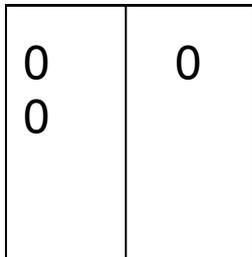
$3 + 2 = 5$

$2 + 3 = 3 + 2$

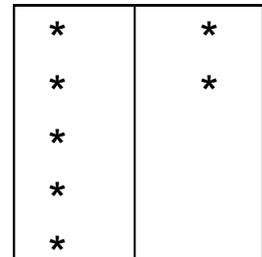
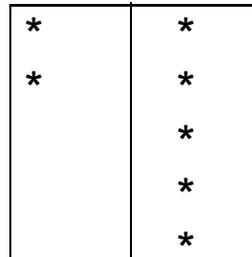
A/



B/



C/



Thu tháp' zíqí thoñorindu holóñóniñ . Madírishi

Ma dirishi

Masal

A/  $3 + 5 = 8$

B)  $2 + 1 = 3$

C/  $2 = 6$

D)  $5 + 4 = 9$

Ma shúriññi

A/ 3  
+3  
6

B/ 5  
+4  
9

I/ 4  
+6  
10

D/ 3  
+5  
8

3




# qí geera 22.3

Motha thá thap' añá sharneyu madirshi( bulueqi)

Másal :1      2+4 =6

Masal    1    3 +7=10

- A/
- 1+ 1=
  - 1+ 2=
  - 1+ 3=
  - 1+ 4=
  - 1+ 6=

- B/
- 2+ 2=
  - 2+ 3=
  - 2+ 4=
  - 1+ 7=
  - 1+ 8=

- E/
- 3+ 3=
  - 3+ 4=
  - 2+ 5=
  - 2+ 6=
  - 2+ 7=

- Di/
- 3+ 5=
  - 3+ 6=
  - 7+ 3=
  - 4+ 4=
  - 4+ 6=

Móthá thá tha thathap' añá sharoneyu ma shúríñí

Masal

Bi)

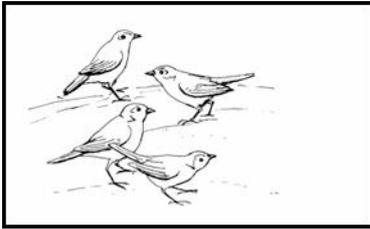
	5 +3	1 +1	7 +3	+2	+6
	<input type="text"/>				
	1	3	4	2	
	<input type="text"/>				

C/

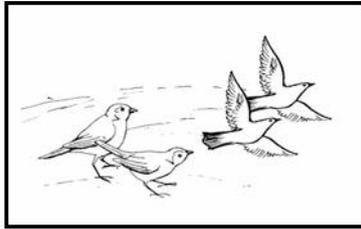
	+4 1	+2 5	+1 2	+5 6
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## 2:2 Alhisábá hasabalagu min 1 le 10 ala nagaza

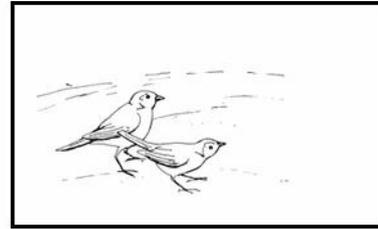
Rothale mbánagasó mmane



Mis'e shoru zii arbaqa



mis'e shoru zii hollonoñiñ



Mis'e aháthé mín thalé arbaqa maágasáñá 2 nagasa. 2 makatabala tha-animira  $4 - 2 = 2$

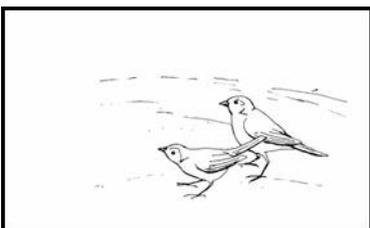
Gile “-” animira alqalama nagasone’

$3 - 2 = 1$  Magúrúlá arrbaqa u ma nagasa itinen nagia itinen

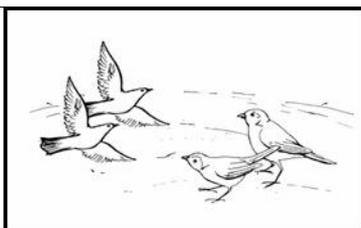
A. Bi U Di ma- maanimirudimaqi A- B = D

A, Alqazili Bi) mba nagaso Di) mba- anamuwo

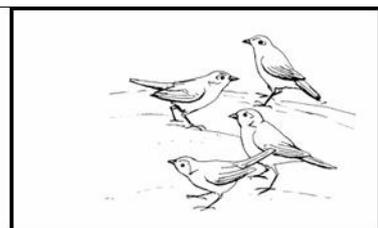
Mithil almasalale  $5 - 2 = 3$  5 alúk'arak'éd'e 2 mbanagasí hoatha than minthu belo shamba d'afarumare



Mis'ie shoru zii ar-  
bqu 2



Mis'e eshoru giya  
arbaqagu



Mis'e shoru'  
thap'uwaqigu 2 .

giñ fugadiñatha  $4 - 2 = 2$  U  $2 + 2 = 4$  namuqigu

Mashabahuqigu shambálo

$4 - 1 = 3$  U  $3 + 1 = 4$   $7 - 5 = 2$  U  $6 - 2 = 4$  U  $4 + 2 = 6$

$2 + 5 = 7$  damuiqigu.

## qí geera 2:5

Shúk'ala- tha míthila almasalale

Masal 4-3 = 1, 4 alu k'ara 3 mba nagazi 1 mbanafaruqi mba daroqi

A/ 6 -2=4  alu k'ara ,

B/ 8 -3=5  alu k'ara ,

C/ 7 -4= 3  alu k'ara ,

D/ 9 -3= 6  alu k'ara , Mbanagas 4 mbanafaruqi

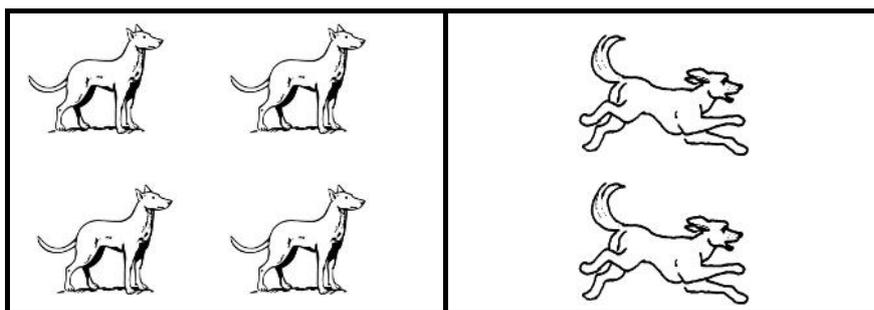
## qí geera 2:6

1. Áhorath á asnduk'a ziiyundu mithil almasalale

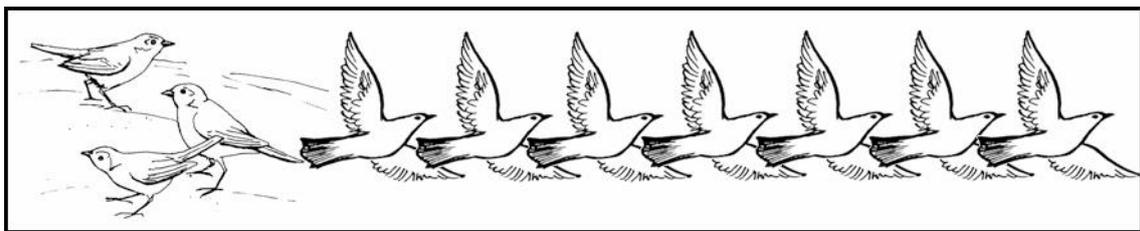
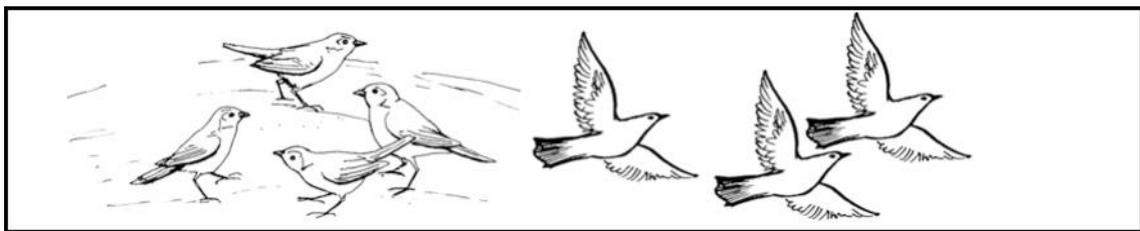
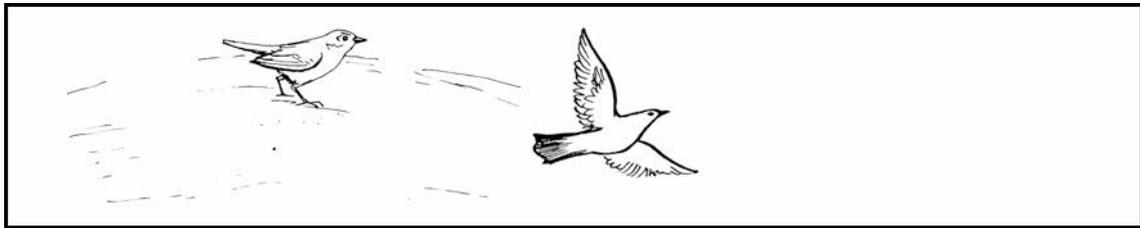
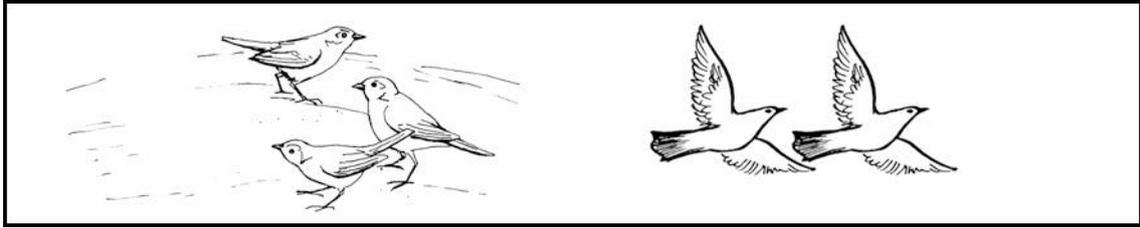
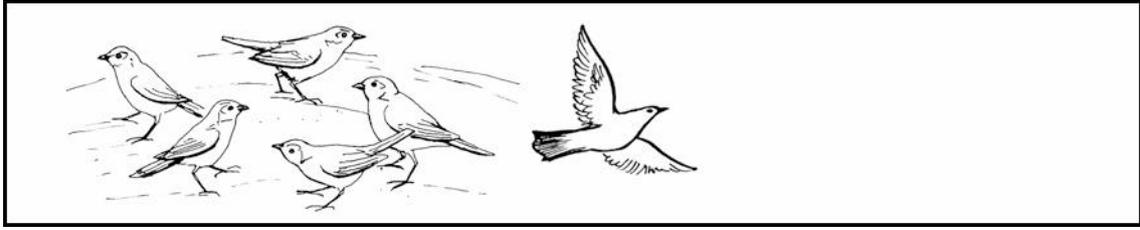
3-2=1			
4=6-2	6	2	4
5-3=2			
3=7-4			
8-3=5			
5=7-2			
4=7-3			
6-1=5			

2. Áhorúthá añá d'eñe thiyu u mithil almasálalé

Manzatsəma' -1



$$6-2=4$$



**qí geera 2:7**

Shak'alathá giñ zii tha bulueqi tha thatháp'

Masal 5-1 = 4 Mashak'alala tha tha-tha'p. 4+1= 5

A/ 5-2= 3

Bi/ 7-1= 6

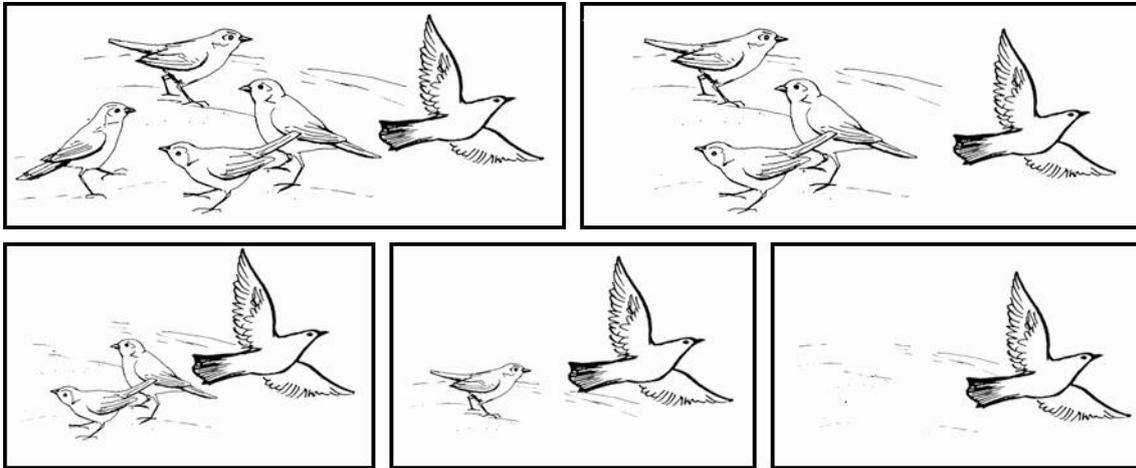
M/ 9-3= 6

Di/ 4-3=1

E/ 8-3= 5

F/ 5-3= 2

## Anímira sífir (0)



$5-1=4$

$4-1=3$

$3-1=2$

$2-1=1$

$1-1=0$

Shambá k'atabilá sífir tha anímira shúgo(0) mmaané

### qí geera 2:9

Katabtha animira mbad'añi sifireeqigu

Másal

$0 < 1$

$0 < 6$

A)  $0 < \underline{\quad}$

B) k'ap'atha Alhal motha mba Al

Másal

$2+0=4$

$3-0=4$

$A=2$

$A=3$

$$1) \quad \begin{array}{l} 0+0= A:A= \square \\ 1+0= A:A= \square \\ 3+0= A:A= \square \\ 4+0= A:A= \square \\ 5+0= A:A= \square \end{array}$$

$$2) \quad \begin{array}{l} 0-0= A:A= \square \\ 1-0= A:A= \square \\ 2-0= A:A= \square \\ 3-0= A:A= \square \\ 4-0= A:A= \square \end{array}$$

### Thamatha thalu

- Animira k'iliñ ma nagasala sifirthi aluk'urak'ed'e ñ- nagashi
- Animira kiliñ ma nagasalala alu k'urakéd'ethi sifir ñinañgashi
- Animira zii thandule managasalalu anmiralo na nagasha ma alukara k'ed'e
- "0" walá gídi anímírá thar ñinehu illa mba mad'I ñíne

**másal 1:**

$$\begin{array}{l} 4-0= 4 \\ 5-0= 5 \end{array}$$

$$\begin{array}{l} 1-0= 1 \\ 2-0= 2 \end{array}$$

**Másal 1:**

$$\begin{array}{l} 4-4= 0 \\ 5-5= 0 \end{array}$$

$$\begin{array}{l} 7-7= 0 \\ 8-8= 0 \end{array}$$

**Másal 3:**

$$2-5= \square$$

D'ok'oth1lé sha wala gidi motha mba animira zíí thandule ale k'ala wala gidimotha

## qí geera 2:10

nagasatha mashuriñi (tha bulue) mithil almasálalé

Másal

5	10	9	8	9
-2	-6	-2	-3	-9
3	4	7	5	0

A/

2	6	9	10
-1	-2	-7	-8

Bi/

0	5	6	8
-0	-4	-1	-3

M/

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

Di/

10	6	10	10
-4	-3	-5	-6

E/

4	8	9	10
-3	-7	-6	-9

## qí geera 2:11

K'amp'á alhisábá hiqi tha añña "a" Yu

Másal 1

$$3+A= 4$$

$$2+3= \square$$

$$3+3= \square$$

$$3+1= 4$$

Ashan shúgo A = 1

Másal 2

$$6-4= 2$$

$$3-3= \square$$

$$3-1= 2$$

$$3-2= \square$$

ashan shugu A= 2

A/

$$3+A=7:A= \square$$

$$A+3=7:A= \square$$

$$2+A=9:A= \square$$

$$3+A=3:A= \square$$

$$4+A=5:A= \square$$

Bi/

$$A-2=2:A= \square$$

$$A-2=4:A= \square$$

$$10-A=6:A= \square$$

$$9-A=4:A= \square$$

$$3-A=2:A= \square$$

## qí geera 2:12

Shak'latha mithil almasálálé

Másal (Mithal ) “A” máma 2 :  $3+A = 5$

“A” mama 3 :  $4-A = 1$

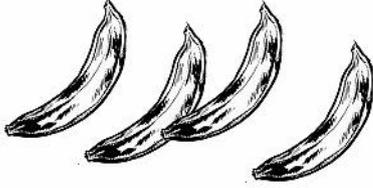
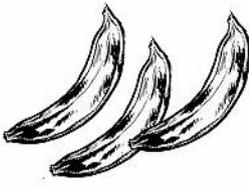
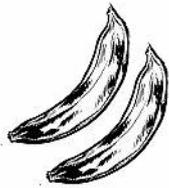
A/ A ma mmá 4, $4+2=$	<input type="text"/>	Bi/ A ma mmá 6, $A+6=$	<input type="text"/>
A ma mmá 7, $3+A=$	<input type="text"/>	A ma mmá 6, $10+A=$	<input type="text"/>
A ma mmá 2, $5+A=$	<input type="text"/>	A ma mmá 6, $4+A=$	<input type="text"/>
A ma mmá 3, $A+1=$	<input type="text"/>	A ma mmá 2, $0+A=$	<input type="text"/>
A ma mmá 4, $A+4=$	<input type="text"/>	A ma mmá 0, $0+A=$	<input type="text"/>
A ma mmá 10, $0+A=$	<input type="text"/>	A ma mmá 3, $A+3=$	<input type="text"/>
A ma mmá 5, $5+A=$	<input type="text"/>	A ma mmá 3, $9+A=$	<input type="text"/>
A mama 6, $A+3=$	<input type="text"/>	A mama 7, $10+A=$	<input type="text"/>
A mama 2, $A+7=$	<input type="text"/>	A mama 5, $9+A=$	<input type="text"/>
A mama 0, $A+5=$	<input type="text"/>	A mama 8, $9+9=$	<input type="text"/>

## qi geera 2:13

Mithil almithalale ahoratha asa,n duk'alegu

1/	<table border="1"><tr><th>A</th><th>3+ A</th></tr><tr><td>1</td><td>4</td></tr><tr><td>2</td><td></td></tr><tr><td>4</td><td></td></tr><tr><td>5</td><td></td></tr><tr><td>6</td><td></td></tr><tr><td>7</td><td></td></tr></table>	A	3+ A	1	4	2		4		5		6		7		2/	<table border="1"><tr><th>A</th><th>5+ A</th></tr><tr><td>1</td><td>6</td></tr><tr><td>2</td><td></td></tr><tr><td>3</td><td></td></tr><tr><td>4</td><td></td></tr><tr><td>0</td><td></td></tr><tr><td>5</td><td></td></tr></table>	A	5+ A	1	6	2		3		4		0		5		3/	<table border="1"><tr><th>A</th><th>A= 3</th></tr><tr><td>2</td><td>5</td></tr><tr><td>1</td><td></td></tr><tr><td>3</td><td></td></tr><tr><td>5</td><td></td></tr><tr><td>6</td><td></td></tr><tr><td>7</td><td></td></tr></table>	A	A= 3	2	5	1		3		5		6		7	
A	3+ A																																														
1	4																																														
2																																															
4																																															
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6																																															
7																																															
A	5+ A																																														
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4/	<table border="1"><tr><th>A</th><th>A - 5</th></tr><tr><td>7</td><td>2</td></tr><tr><td></td><td>6</td></tr><tr><td></td><td>5</td></tr><tr><td></td><td>8</td></tr><tr><td></td><td>9</td></tr></table>	A	A - 5	7	2		6		5		8		9	5/	<table border="1"><tr><th>A</th><th>A - 0</th></tr><tr><td>4</td><td>4</td></tr><tr><td></td><td>9</td></tr><tr><td></td><td>5</td></tr><tr><td></td><td>7</td></tr><tr><td></td><td>3</td></tr></table>	A	A - 0	4	4		9		5		7		3	6/	<table border="1"><tr><th>A</th><th>A - 3</th></tr><tr><td>9</td><td>6</td></tr><tr><td></td><td>8</td></tr><tr><td></td><td>5</td></tr><tr><td></td><td>6</td></tr><tr><td></td><td>3</td></tr></table>	A	A - 3	9	6		8		5		6		3						
A	A - 5																																														
7	2																																														
	6																																														
	5																																														
	8																																														
	9																																														
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4	4																																														
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A	A - 3																																														
9	6																																														
	8																																														
	5																																														
	6																																														
	3																																														

## 2.3 Anímira taláta thá thatháp'

		
$4+3+2=$ <input style="width: 50px;" type="text"/>	$7+2=$ <input style="width: 50px;" type="text"/>	$4+5=$ <input style="width: 50px;" type="text"/>

Anímira taláta thap'u-alú mathík'álá gádarlá álá áthap'u-alú  
Ma zíí holóóníñ ma mad'uwqíggú

### qí geera 2:14

Ahorotha animira d'uthuqi

#### Másal 1

0	0 0	0
0	0 0	

$$2+4+1=6+1=7$$

#### Másal 2

0	0 0	0 0
0	0	0

$$2+3+3=5+3=8$$

1/  $2+0+7$

$$\boxed{\phantom{00}} + 7 = \boxed{\phantom{00}}$$

2/  $3+2+2$

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

3/  $2+1+5$

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

4/  $3+1+4$

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

5/  $7+3+0$

$$7 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

6/  $1+7+1$

$$\boxed{\phantom{00}} + 1 = \boxed{\phantom{00}}$$

7/  $0+9+0$

$$\boxed{\phantom{00}} + 0 = \boxed{\phantom{00}}$$

8/  $8+1+1$

$$8 + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

9/  $0+10+0$

$$\boxed{\phantom{00}} + 0 = \boxed{\phantom{00}}$$

10/  $2+1+7$

$$\boxed{\phantom{00}} + 7 = \boxed{\phantom{00}}$$

11/  $4=3+3$

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

12/  $2+8+0$

$$\boxed{\phantom{00}} + 0 = \boxed{\phantom{00}}$$

## qí geera 2:15

Ahoratha animira d'uthuqi

Másál1:  $3+4+2=9$

másal(Mithal) 2:  $5+4+1=10$

1/  $6+0+4=$

2/  $7+4+1=$

3/  $3+1+6=$

4/  $3+4+3=$

5/  $5+2+3=$

6/  $7+0+3=$

7/  $3+2+3=$

8/  $3+2+4=$

9/  $8+0+1=$

B/ Motha maad thoqi ahoratha tha san'duk'u

Másal :  $4+6+ 0 = 10$

$7+2+1 = 10$

1/  $3+1+$    $= 10$

2/  $2+4+$    $= 9$

3/  $5+2+$    $= 9$

4/  $1+1+1=$

5/  $3+3+0=$

6/  $1+2+$    $= 6$

Mithil almithalale ahulutha-alu-ma shuriñi

## qí geera 2:16

3	10
+4	+6
+1	+4
8	4

A/

5	6	9	10
+2	+6	+3	+0
+1	+2	+4	+6

B/

6	4	6	7
+2	+2	+0	+1
+2	+3	+4	+2

E/

7	3	8	3
+0	+2	+0	+1
+3	+3	+1	+6

D/

1	4	0	2
+7	+2	+8	+3
+0	+3	+1	+1

## Ak'us'o talata

Alhisaaba zíí thandulegu min “0” le “2”

**Mithal :**

A/ Asherutha animiragu tha <,> walla tha =

- 4  3
- 5  5
- 3  5
- 1  4
- 5  1
- 4  2
- 2  5
- 4  4
- 5  2
- 3  2
- 2  1
- 2  2
- 2  0
- 3  3

- 7  3
- 6  6
- 5  6
- 4  6
- 6  3
- 6  2
- 6  1
- 0  6
- 7  6
- 0  0
- 1  2
- 10  10
- 10  9

- 9  7
- 8  7
- 8  5
- 6  8
- 8  9
- 7  1
- 7  2
- 7  3
- 7  4
- 0  7
- 7  7
- 8  10
- 10  0

Bi/ katabathá anímiragú mbá thárhú umbá mád'í

**Mad'í**

- 1:
- 5:
- 8:
- 9:

**tharhu**

- :1
- :5
- :8
- :9

**Mad'í**

- 0:
- 2:
- 3:
- 7:

**thar hu**

- :10
- :2
- :3
- :7

M/ Kátabathá anímiragú mba k'ósí tha mbá d'áñíyúéqí ma mad'í 4 gundi.

Másal 1            2, 1, 3, 4  
Motha              1, 2, 3, 4

Másal 2            4, 6, 7, 5  
Motha              4, 5, 6, 7

1/ 2,3,5,4,  

--	--	--	--

2/ 6,7,8,9  

--	--	--	--

3/ 6,4,7,5,8  

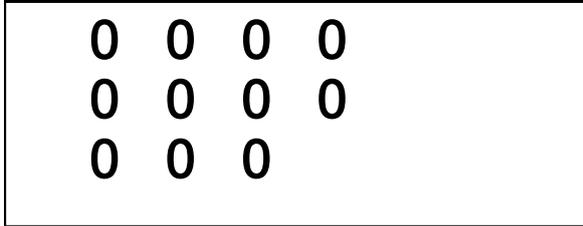
--	--	--	--

4/ 1,0,3,4,2  

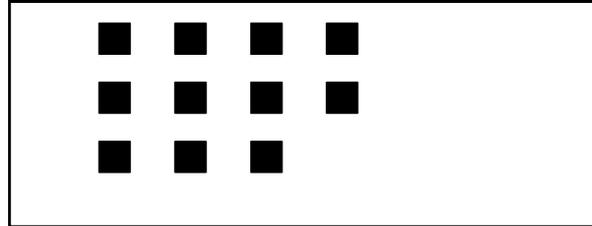
--	--	--	--

### 3:1 A nímírá zíí thandule min 11 Lé 20

hidáshar (11)



hidáshar



hidashar

Hidáshar ma kátábálá tha nímira shúgo (11) mmaané zañzaña thá

0	0	0	0	0	0
0	0	0	0	0	

$$10+1=11$$

qi geera 3:1

Kátabhá málé máthiñ háthúthi

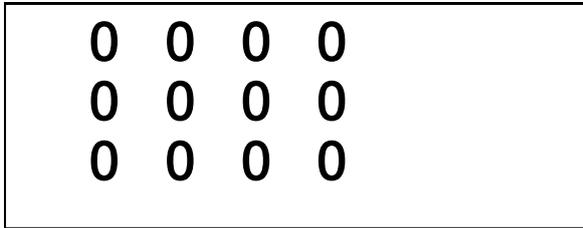
11

---

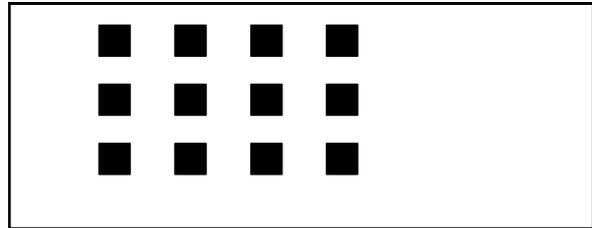
11

---

# At'ínashar (12)



At'ínashar



At'ínashar

At'intashár makátábálá tha nímira shúgo (12) mmaane thamath thaliyu

$10 + 2 = 12$

0	0	0	0	0	0
0	0	0	0	0	0

## qi geera 3:2

Katabatha male mathiñ hathu thi

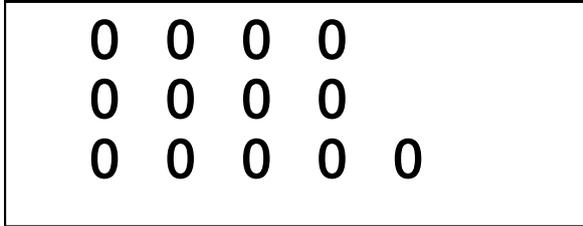
12

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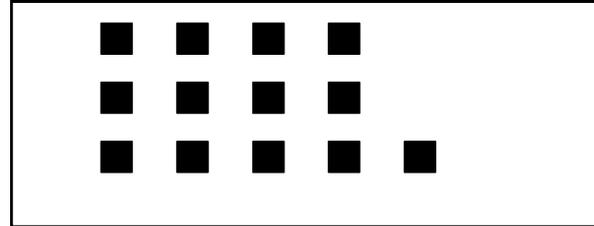
12

---

## Talat'áshar (13)



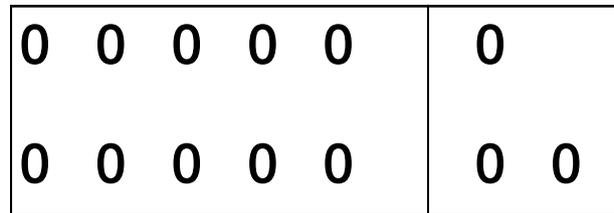
Talat'ashar



Talat'ashar

Talut'áshar ma kátábálátha nímira shúgo (13) maané.

Thamahtha thalúyú  $10+3 = 13$



$$10 + 3 = \underline{\quad}$$

**qi geera 23:4**

Kátabathá málé máthiñ háthúthi

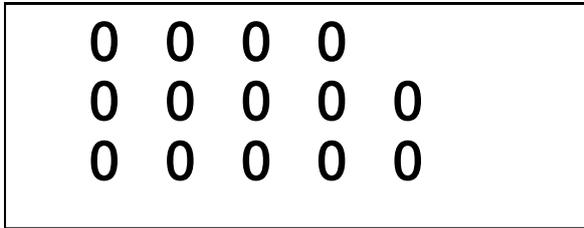
# 13

---

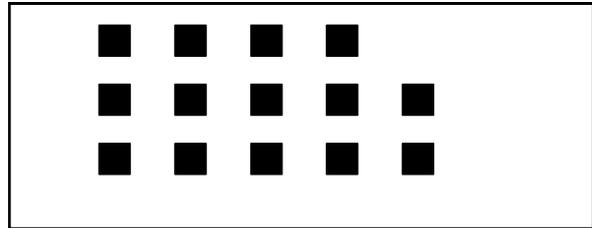
# 13

---

# Arbat'áshar (14)

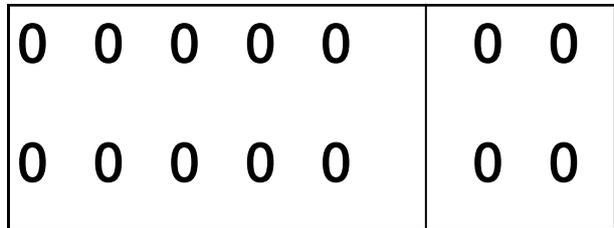


Arbat'áshar



Arbat'áshar

Arbat'ashur makatábla tha- anímira shúgo (14) mmaané thámáthá thaluyú.



$$10+4=14$$

qi geera 3:4

Katabatha male muthihathu -thi

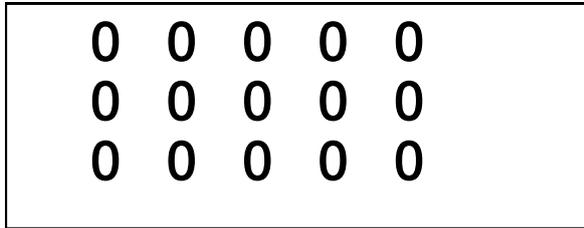
14

---

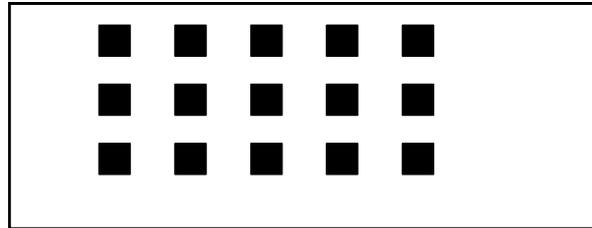
14

---

# Hamist'áshar(15)



15



15

mathiñatha the kataba shugo

00000	00
00000	000

10 + 5 = \_\_\_\_\_

## qi geera 3:5

Kátabhá málé máthiñ háthúthi

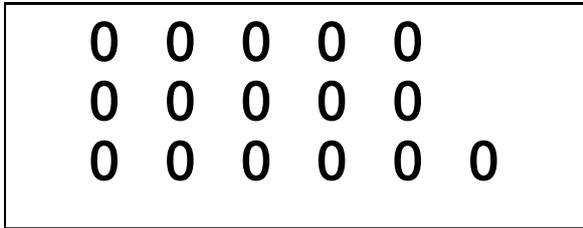
# 15

---

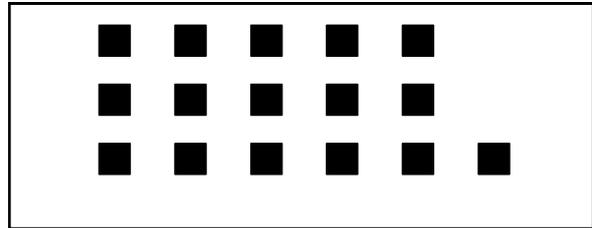
# 15

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# Sit'ásher (16)



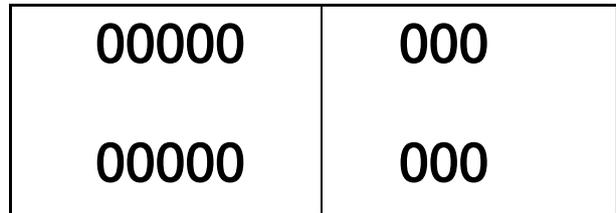
Sit'ashar



Sit'ashar

Sit'ásher makatábála tha –animira shúgo (16) nmaané

Tha mutha thalyu  $10+6= 16$



10 + 6 = 16

Qi geera 3:6

Katabatha male mathiñhathuthi

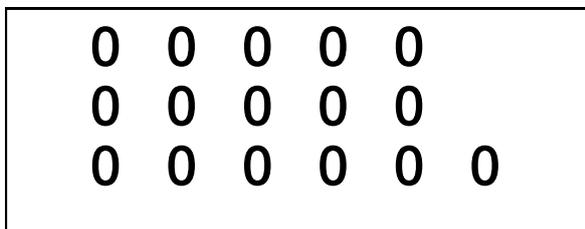
16

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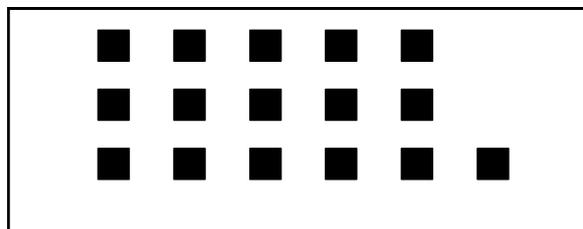
16

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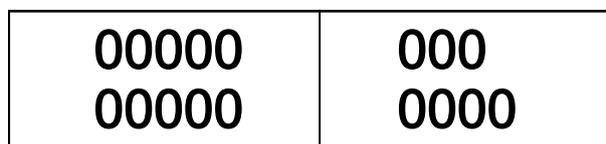
# Sabat'áshar (17)



Sabat'áshar



Sabat'áshar



$$10 + 7 = \underline{\quad}$$

qi geera 3:7

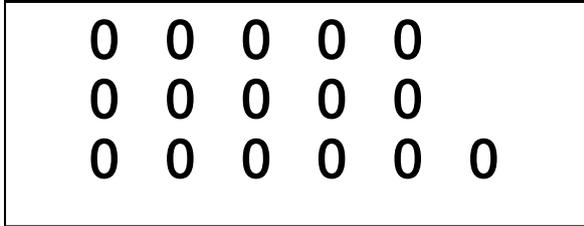
17

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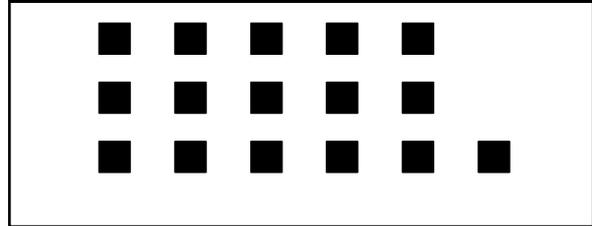
17

---

# Tamant'áshar(18)



Tamant'áshar



Tamant'áshar

00000	0000
00000	0000
10 + 8 = _____	

qi geera 3:8

Kátabthá málé máthiñháhú thi

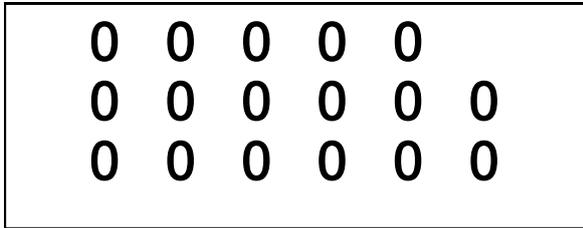
# 18

---

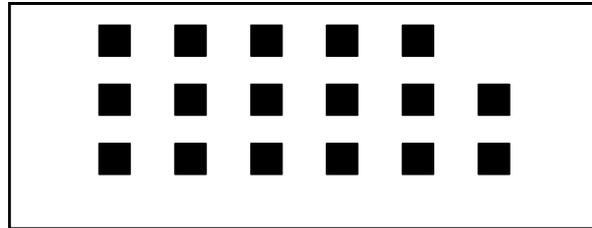
# 18

---

# Dizet'áshar(19)

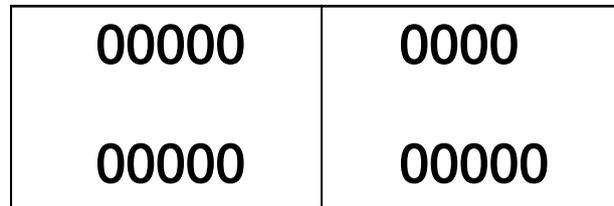


Dizet'áshar



Dizet'áshar

Tiset'áshar makata bala-tha – animira shugo (19) mmane  
thaalu  $10+9 = 19$



$$10 + 9 = \underline{\hspace{2cm}}$$

qi geera 3:9

Kátabathá málé mathiñ háthuthi

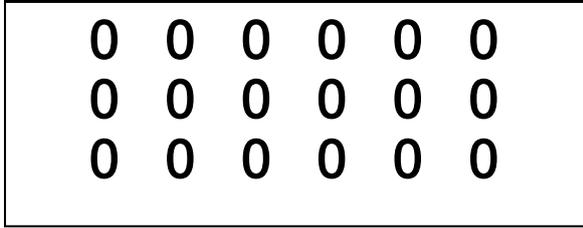
19

---

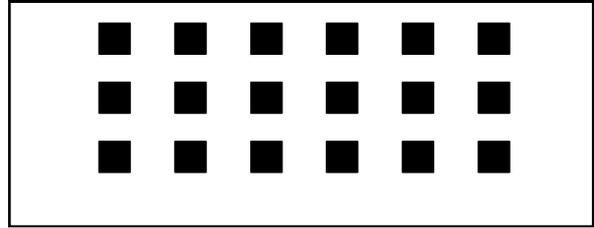
19

---

# Ishiriiñ (20)

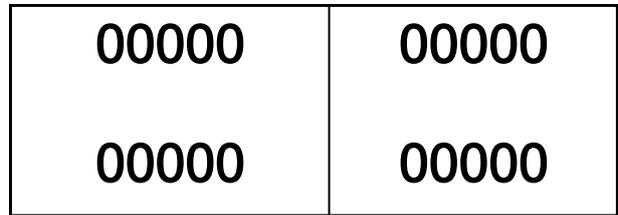


Ishiriin ishiriiñ



Ishiriiñ

Másal =



$$10 + 10 = \underline{\quad}$$

qi geera 3:10

kátathá málé máthiñ hathuthi

# 20

---

# 20

---

qi geera 3:11

Hásabathá háthú ahorathá añá wallá maayu.

●●●●●●●●●● 0 = \_\_\_\_\_

●●●●●●●●●● 000 = \_\_\_\_\_

●●●●●●●●●● 00000 = \_\_\_\_\_

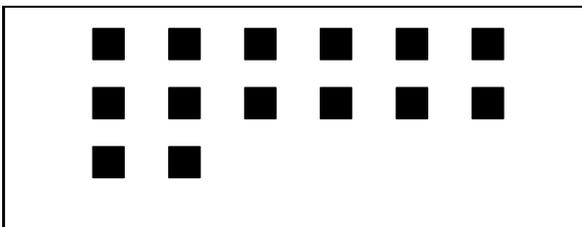
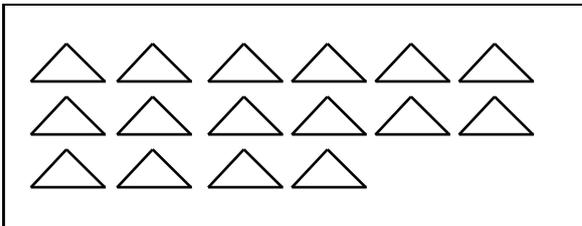
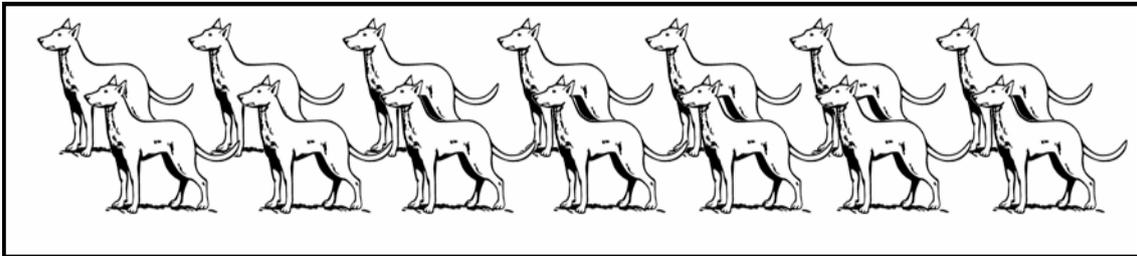
●●●●●●●●●● 00 = \_\_\_\_\_

●●●●●●●●●● 0000 = \_\_\_\_\_

●●●●●●●●●● 00000000 = \_\_\_\_\_

qi geera 3:12

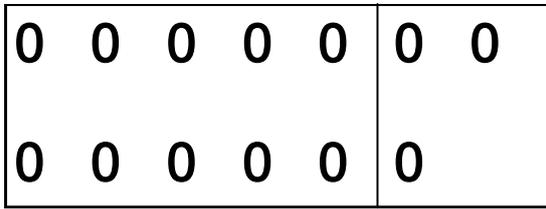
Gíñ zíf thá búlúweqi ma hásábá háthúqi áhorathá thá asand'uk'ú



qi geera **3:13**

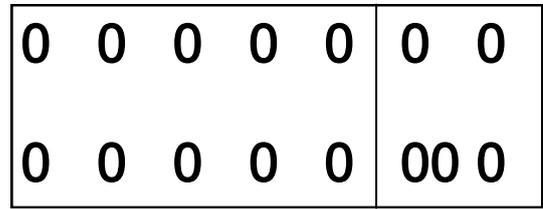
Shák'alathá mithil álmásálálé

Masal 1

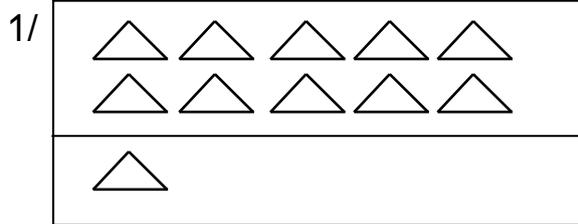


10+3=13

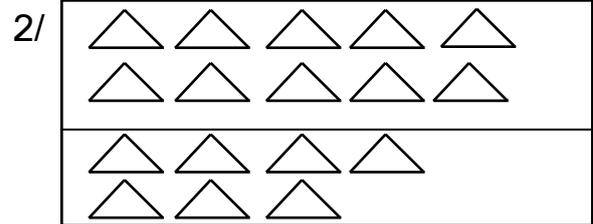
Masal 2



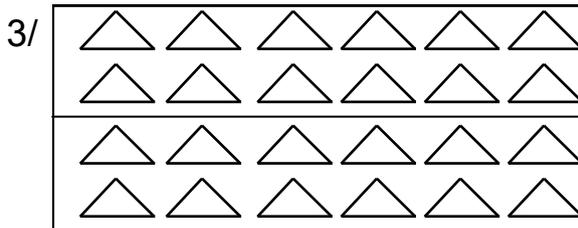
10+5=15



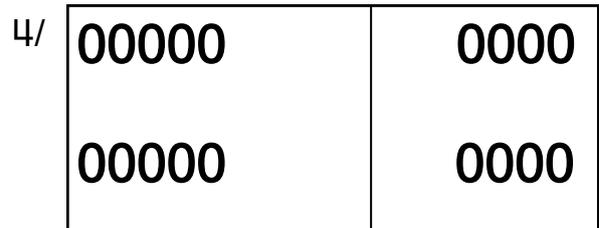
10+ 1 =



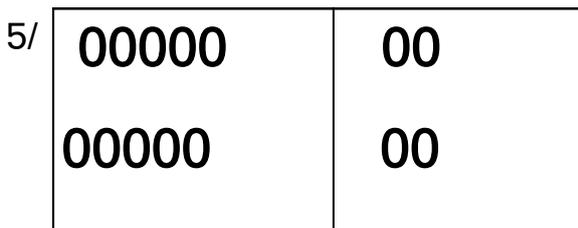
10+ 7 =



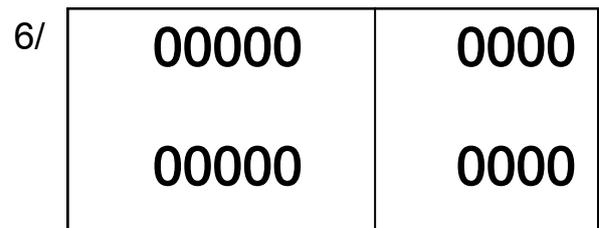
10 + 9 =



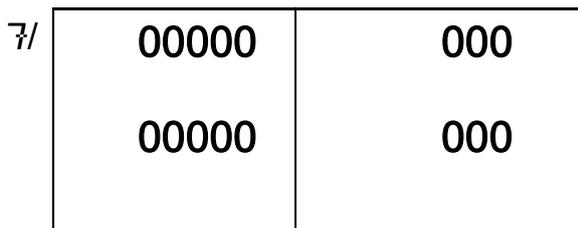
10+ 4 =



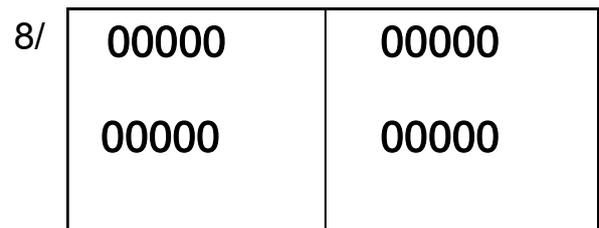
10+4 =



10 + 8 =



10+ 6 =



10+ 10=

### qi geera 3:14

K'ap'átha alhálá (motha') mba "A"

#### Másal 1

$10+A=13, \quad A=3$

$10+A=10, \quad A= \boxed{\phantom{00}}$

$10+A=12, \quad A= \boxed{\phantom{00}}$

$10+A=15, \quad A= \boxed{\phantom{00}}$

$10+A=20, \quad A= \boxed{\phantom{00}}$

$10+A=18, \quad A= \boxed{\phantom{00}}$

$10+A=17, \quad A= \boxed{\phantom{00}}$

$10+A=17, \quad A= \boxed{\phantom{00}}$

#### Másal 2

$10+4=A. \quad A=14$

$10+1=A. \quad A= \boxed{\phantom{00}}$

$10+3=A. \quad A= \boxed{\phantom{00}}$

$10+5=A. \quad A= \boxed{\phantom{00}}$

$10+10=A. \quad A= \boxed{\phantom{00}}$

$10+8=A. \quad A= \boxed{\phantom{00}}$

$10+7=A. \quad A= \boxed{\phantom{00}}$

$10+6=A. \quad A= \boxed{\phantom{00}}$

### qi geera 3:15

másal

A	10+ A
0	10
1	
2	

A	10+ A
3	
4	
5	

A	10+ A
6	
7	
8	

## 3.2 mundí álhisaabú

qi geera 3:16

Shák'alathá mithil almasálalé

Másal 1      0   1   2  

Másal 2      0   1   2   3  

Másal 3      0   1   2   3   4  

1/  
0   1   2   3   4  

2/  
0   1   2   3   4   5  

3/  
0   1   2   3   4   5   6   7  

4/  
0   1   2   3   4   5   6   7   8  

5/  
0   1   2   3   4   5   6   7   8   9  

6/  
0   1   2   3   4   5   6   7   8   9   10   11  

7/  
0   1   2   3   4   5   6   7   8   9   10   11   12  

8/  
0   1   2   3   4   5   6   7   8   9   10   11   12   13  

9/  
0   1   2   3   4   5   6   7   8   9   10   11   12   13

## qi geera 2:18

Ashe ruthá míthil almasálálé

(< > , = ) shak'alatha shugo

Másal 1, 11<16

A/ 17  18  
18  17  
17  17  
16  17  
18  18

Másal 2, 12>10

Bi) 14  20  
15  16  
13  11  
12  19  
19  15

Másal 3 ,11=11

Ci) 17  20  
19  11  
17  17  
12  14  
14  18

2. kátábáthá Alhisáábá tháruhu, u mbá mád'í tha asandúk'ú

Másal

11   
14   
13   
12   
15   
18   
19

másal

12  
 14  
 13  
 19  
 15  
 18  
 20

## qi geera 3:19

Kátabathá u mus'atha mas'I gundi

Mbá k'os'í tha mbá d'áñiyueqi

másal 1 A/ 11,15,13,12,14

másal 2 B/11,15,13,12,14

másal 11,12,13,14,15

másal I 15,14,13,12,11

A/ 11,9,10,12,14,13,15

--	--	--	--	--	--	--

B/ 11,9,10,12,14

--	--	--	--	--	--	--

E/ 15,18,19,17,16,20

--	--	--	--	--	--	--

Di/ 16,15,19,17,18

--	--	--	--	--	--	--

## Rothad'oshu'yú

1. tha-alarbia d'uk'unúñú 5 nafar ziiyaqi shamba ada alarbíya baláshúgo maabi 2 buthaqi. Maabi 3 mare gane hiya, maabi zii tha al-arabiyayu k'illiñ kamu ma mare?
2. Kámu tháp'ilá 17 alu tháñ mbá giigáné 20?
3. min 16 kamu nagasilalu mba gáshigané 12?
4. Alhol holoeñoniñ mbap'eriñi hálimá 13 sána ñinoñ hosálnáthi hassi shiñ asanak'd'e kamu mane?
5. Animira zii min 10 le 20 alu d'u'd'unñ mba animira holñoniñ másal 12 alu d'uk'unuñ mbá animira holoñoniñ mmané Ashan shugo Animira holoñiñáló gidí añá d'afaruqi Animira 12 ma hoshalala tháñ  $12 = 10+2$

6. Giñ fagadila thale 12 mayu 10 d'uk'unuñ u d'uk'unuuñgu holoñoniñ Ashan shugo tha 12 d'uk'unuñ mufi añá asharo u 2 shin añá d'u- k'unuñú Anumira 12 maayu 1 holoñoniñ u ashara d'uk,u'nuñ min thalo tha animira 14 d'uk'unuñ añá asharo u 4 añá d'uk'unuñu mmane. Tha animira 14 arbaqa añá d'uk'unuñu u 1 añá asharo ñinañ thik'ila

qi geera 3:20

Shak'alutha mithil almithalale:-

**Mithal tha19**

1 alhaana (añá )asharo mmaane

9 alhaana'd'uk'unuñu mane

A/ tha 20

alhaana asharo  
 alhaana d'uk'unuñu

B) tha 18

alhaana asharo  
 alhaana

Ci) tha 17

alhaana asharo  
 alhaana d'uk'unuñu

D) tha 17

alhaana asharo  
 alhaana

E/ tha 16

alhaana asharo  
 alhaana d'uk'unuñu

Fi) tha 11

alhaana asharo  
 alhaana d'ukunuñu

## Ak'us'o Árabqa(4)

Alhisáábá zii thandulegu mín o le 20 ala thap'a u ale nagasa Ala mathiña -thi. Mba zii tha bulueqigu shak'ala tha

$4+3=$

$7-2=$

$7+2=$

$7+3=$

$5+2=$

$6-3=$

$5+5=$

$7+3=$

$8+1=$

$9-4=$

$9-0=$

$10-4=$

$2+1=$

$8-8=$

## qi geera tha rotha (1)

Shá k'alathá míthil almasálalé

**Másal 1,**  $14+3 = 17$  , nánóqi  $4+3 = 7$

**Másal 2,**  $17-3 = 14$  nanoqi  $7-3 = 4$  wálla  $14+3 = 17$

$11+1=12$  nanoqi

$12+3=15$  nanoqi

$13+4=17$  nanoqi

$14+5=19$  nanoqi

$15+3=18$  nanoqi

$16+3=19$  nanoqi

$17+1=18$  nanoqi

$18+1=19$  nanoqi

$12-1=11$  nanoqi

$13-2=11$  nanoqi

$14-2=12$  nanoqi

$15-3=12$  nanoqi

$16-3=13$  nanoqi

$17-4=13$  nanoqi

$18-6=12$  nanoqi

$19-8=11$  nanoqi

## qi geera 4:1

Mbá zii tha búlúéqígú shák'alatha

$1/ 14 - 4 = \boxed{\phantom{00}}$

$6/ 13 + 6 = \boxed{\phantom{00}}$

$2/ 15 - 2 = \boxed{\phantom{00}}$

$7/ 16 - 3 = \boxed{\phantom{00}}$

$3/ 16 - 3 = \boxed{\phantom{00}}$

$8/ 17 - 3 = \boxed{\phantom{00}}$

$4/ 18 + 1 = \boxed{\phantom{00}}$

$9/ 18 - 5 = \boxed{\phantom{00}}$

$5/ 19 + 0 = \boxed{\phantom{00}}$

$10/ 13 - 5 = \boxed{\phantom{00}}$

4:1 Mbá malúqiyu álá mádiñaqí

Mbá zii tha búlúéqí rothá nágásí mmaané . Anímíra ma áhialá tha asanduk'a hórí ma assé wállá bus'áñ . Álá hoshalá tháñ mbá horr ma assé.

**Másal**  $\boxed{\phantom{00}} + 3 = 7$  Rothale mbá nagasi mmaané Ándí anímíra hii tha añña alharifa fed'ilayu.

Másal  $E + 4 = 10$  ma k'alaña añña E ma 6 mmaane rothale ma asse.

Ma thamala añña walá ma añña k'ed'e.

Másal asandu'k a alharifa mba nagasi rotha s'ullagu sha

Maaluqi.

## qi geera 4:2

1. k'áp'athá anímiragu hii tha asanduk'á mba gii rothagu ma assé.

**Másal 1**

$\boxed{\phantom{00}} + 8 = 11$

$\boxed{\phantom{00}} + 10 = 18$

$7 + \boxed{\phantom{00}} = 11$

$3 + \boxed{\phantom{00}} = 20$

$8 - \boxed{\phantom{00}} = 2$

$\boxed{\phantom{00}} - 3 = 7$

$\boxed{\phantom{00}} - 10 = 7$

$19 - \boxed{\phantom{00}} = 11$

2/ Ima má"3" mmaane shá kálatha shugo

Másal  $I + 5 = \boxed{8}$  ,  $I - 1 = \boxed{\phantom{00}}$  ,  $I + 25 = \boxed{\phantom{00}}$

$15 - I = \boxed{12}$  ,  $10 + I = \boxed{\phantom{00}}$  ,  $20 - I = \boxed{\phantom{00}}$

### qi geera 4:3

Míthil almasalalek'a p'átha aña mbá "B"

Másal 1  $B+4 = 7$ ,  $B = 3$

Másal 2  $Bi-4 = 5$ ,  $B = 9$

1/  $B + 2 = 6$ ,  $Bi =$

3/  $7+B = 7$ ,  $Bi =$

5/  $B+B = 5$ ,  $Bi =$

7/  $6-2 = B$ ,  $Bi =$

9/  $8 - Bi = 5$ ,  $Bi =$

11/  $B+Bi = 5$ ,  $Bi =$

13/  $5-Bi = 3$ ,  $Bi =$

2/  $5+B = 8$ ,  $Bi =$

4/  $8+B = 10$ ,  $Bi =$

6/  $0+B = 2$ ,  $Bi =$

8/  $B + 5 = 4$ ,  $Bi =$

10/  $7+Bi = 0$ ,  $Bi =$

12/  $0+Bi = 2$ ,  $Bi =$

14/  $B - 9 = 0$ ,  $Bi =$

### qi geera 4:4

Tha almasálalé k'ap'átha aña mbá "E"

Másal 1  $14 + E = 18$ ,  $E = 4$

1/ 1/  $13+E=17$ ,  $E =$

2/  $12+E=17$ ,  $E =$

3/  $11+E=12$ ,  $E =$

4/  $15+E=18$ ,  $E =$

3/ 1/  $13+E=17$ ,  $E =$

2/  $12+E=15$ ,  $E =$

3/  $19+E=19$ ,  $E =$

4/  $13+E=19$ ,  $E =$

5/  $16+E = 19$ ,  $E =$

2/ 1.  $13 - E = 12$ ,  $E =$

2.  $14 - E = 12$ ,  $E =$

3.  $15 - E = 10$ ,  $E =$

4.  $16 - E = 13$ ,  $E =$

4/ 1/  $17 - E = 13$ ,  $E =$

2/  $17 - E = 12$ ,  $E =$

3/  $19 - E = 13$ ,  $E =$

4/  $15 - E = 12$ ,  $E =$

5/  $19 - E = 13$ ,  $E =$

Míthil almasálalé áhorathá asandúk'á ziiyundu añá d'eñithináyú(mané fádi)

Másal 1

A	A+ 3
12	15
10	
13	
11	
14	

Másal 2

A	A+ 5
12	17
10	
13	
11	
14	

Másal 3

A	A+ 2
17	19
16	
15	
14	
13	

Másal 4

A	A= 0
19	19
18	
17	
16	
15	

Másal 5

A	A- 5
19	14
18	
17	
16	
17	

Másal 6

A	19- A
8	11
9	
5	
3	
4	

Másal 7

A	14- A
5	10
6	
7	
8	
9	

- Motha mba almasal d'úk'unuñ hollóñóniñ

**1. Másal (1)**

A+ 3 nagiya 15 Akamu mane

$$A+ 3 = 15$$

$$A= 15- 3 = 12$$

$$A= 12 = Shañ fagada mothale 3+12 = 15$$

**2. Másala (2)**

$$= A+5 = 17$$

$$A= 17- 5 = 12$$

$$A= 12 = Shaañ fagada rothale 12+5 = 17$$

## 4.2 Ásherú alhisábá zííthand'u'le min 11 lé 20

Míthil almasalale motha tha d'ok'othale añá d'eñethinayu(mané fadi)

Mithal 1	$10 < 13$	nanoqi	$10 + 3 = 13$
	$14 > 3$	nanoqi	$3 + 11 = 14$
	$12 < 14$	nanoqi	$12 + 2 = 14$
	$15 > 10$	nanoqi	$10 + 5 = 15$

1/	$11 < 15$	, nanoqi	$11 + $	<input type="text"/>	$= 15$
2/	$12 < 10$	, nanoqi	$10 + $	<input type="text"/>	$= 12$
3/	$12 < 13$	, nanoqi	$12 + $	<input type="text"/>	$= 13$
4/	$19 < 17$	, nanoqi	$17 + $	<input type="text"/>	$= 19$
5/	$18 < 19$	, nanoqi	$18 + $	<input type="text"/>	$= 19$
6/	$17 < 13$	, nanoqi	$13 + $	<input type="text"/>	$= 17$
7/	$16 < 18$	, nanoqi	$16 + $	<input type="text"/>	$= 18$
8/	$19 < 16$	, nanoqi	$16 + $	<input type="text"/>	$= 19$
9/	$15 < 18$	, nanoqi	$15 + $	<input type="text"/>	$= 18$
10/	$17 < 14$	, nanoqi	$14 + $	<input type="text"/>	$= 17$
11/	$17 < 19$	, nanoqi	$17 + $	<input type="text"/>	$= 17$
12/	$15 < 10$	, nanoqi	$10 + $	<input type="text"/>	$= 15$
13/	$10 < 15$	, nanoqi	$10 + $	<input type="text"/>	$= 15$
14/	$20 < 11$	, nanoqi	$11 + $	<input type="text"/>	$= 20$

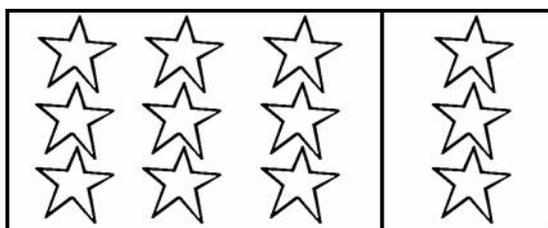
4:3 Alhisáb thalú thatháp' u thá nagasa alep'erayu ma máthiñátha thí

$$6=4+2$$

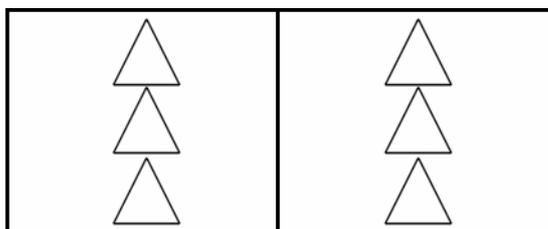
$$8=6+2$$

0	0	0
0	0	0

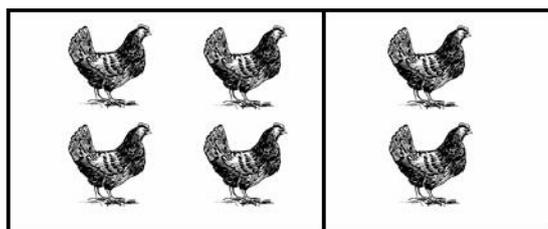
000	0
000	0



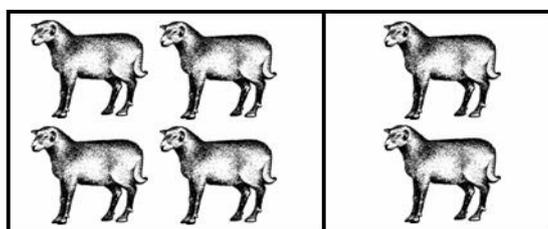
$$12 = 9 + 3$$



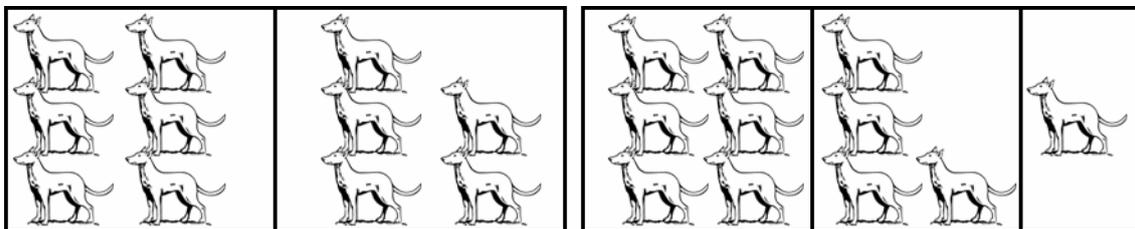
$$6 = 3 + 3$$



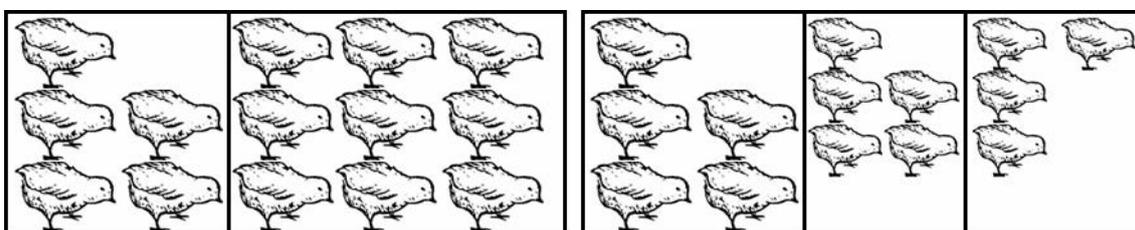
$$6 = 4 + 2$$



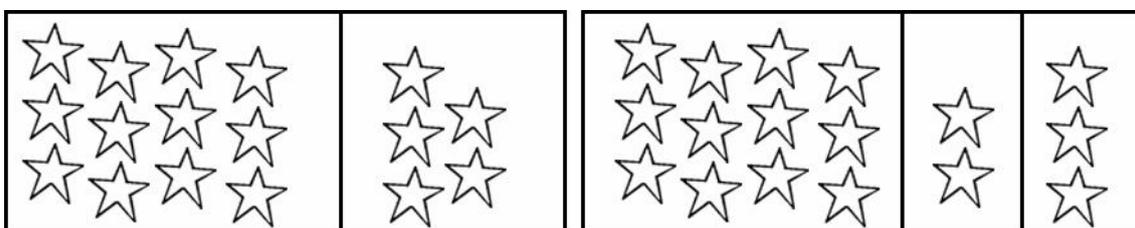
$$6 = 4 + 2$$



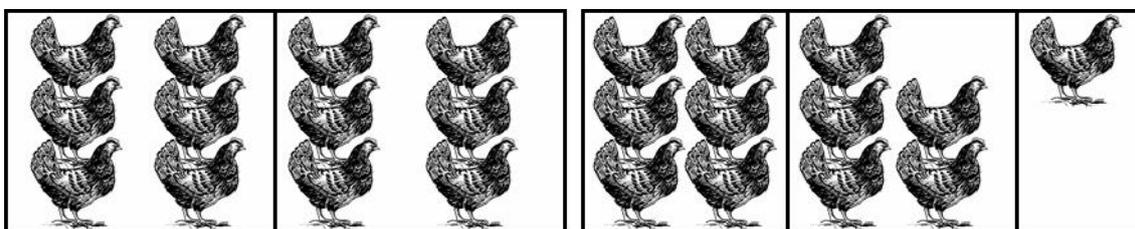
$$6 + 5 = \boxed{\phantom{00}} = 6 + 4 + 1 = \boxed{\phantom{00}}$$



$$5 + 9 = 5 + \boxed{\phantom{00}} + 4$$



$$12 + 5 = \boxed{\phantom{00}} = 12 + \boxed{\phantom{00}} + 3 = \boxed{\phantom{00}}$$



$$6 + 6 = \boxed{\phantom{00}} \quad 6 + \boxed{\phantom{00}} + 1 = \boxed{\phantom{00}}$$

## qi geera 4:10

Shák'alathá míthila almasálálé

másal (Mithal) 1  $4 + 9 = 4 + 6 + 3$   
 $10 + 3 = 13$

másal 2  $14 + 2 = 10 + 4 + 2$   
 $= 10 + 6$   
 $= 16$

1/  $5 + 8$   
 $5 + \square + 3$   
 $\square + 3 = \square$

2/  $7 + 6$   
 $7 + \square + 3$   
 $\square + 3 = \square$

3/  $15 + 3$   
 $10 + \square + 3$   
 $10 + \square = \square$

4/  $13 + 2$   
 $10 + \square + 2$   
 $10 + \square = \square$

5/  $7 + 7$   
 $7 + \square + 4$   
 $7 + \square = \square$

6/  $9 + 8$   
 $9 + \square + 7$   
 $9 + \square = \square$

7/  $18 + 1$   
 $10 + \square + 1$   
 $10 + \square = \square$

8/  $16 + 3$   
 $10 + \square + 3$   
 $10 + \square = \square$

qi geera 4:11

Áhorathá asandúk'á d'eñathiyu míthila almíthálálé

Másal(Mithil )11

$8+5= 13$

Másal 12

$13+4= 17$

- A/  $7+4=$    
 $8+3=$    
 $2+10=$    
 $9+2=$    
 $7+5=$    
 $10+5=$    
 $14+2=$    
 $15+3=$    
 $11+4=$    
 $13+3=$

- B/  $4+8=$    
 $6+7=$    
 $6+8=$    
 $9+6=$    
 $7+8=$    
 $6+6=$    
 $8+9=$    
 $9+9=$    
 $13+1=$    
 $10+5=$

qi geera 4:12

Nágasathá míthil almasálálé

Másal

$12- 4 = 10+2-4 = 2+10-4 = 2+6= 8$

- A/ 1,  $11- 1=$   =  =  =   
2,  $12- 6=$   =  =  =   
3,  $13- 4=$   =  =  =   
4,  $14- 5=$   =  =  =   
5,  $15- 6=$   =  =  =

- Bi/ 1,  $11- 4=$   =  =  =   
2,  $13- 6=$   =  =  =   
3,  $16- 8=$   =  =  =   
4,  $18- 9=$   =  =  =   
5,  $14- 9=$   =  =  =

## qi geera 4:13

Shák'althá míthil almasádlé

Másal 1  $4+11=11+4=15$

Másal 2

$4+12=12+4=16$

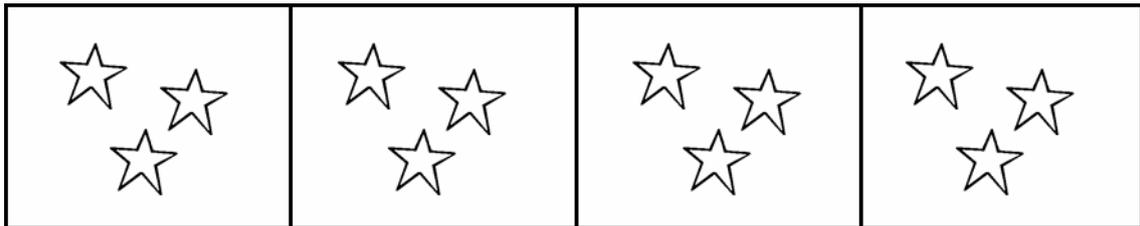
A/ 1,	$5+12=$	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
2,	$2+13=$	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
3,	$7+11=$	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
4,	$2+16=$	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
5,	$4+15=$	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
6,	$17+3=$	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
7,	$11+8=$	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
8,	$2+14=$	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
9,	$14+3=$	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
10,	$15+5=$	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>

## Ak'us'o 5

Alhisábá zíí thandule lé thá 20 álé áwolu u álá gásama  
("X" walla "÷")

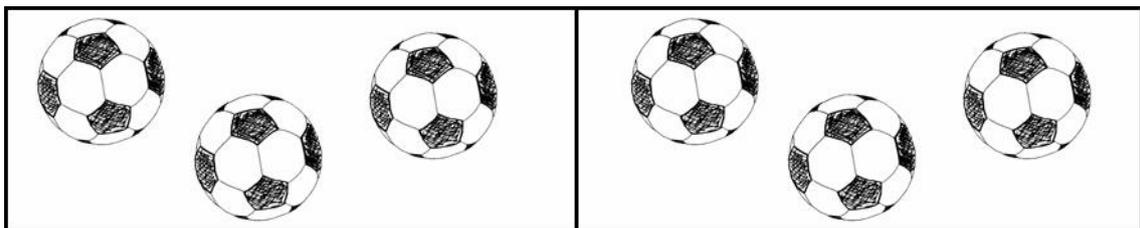
### 5.1 Alhisábá zíí thandule ale ahulualu

#### Másal 1



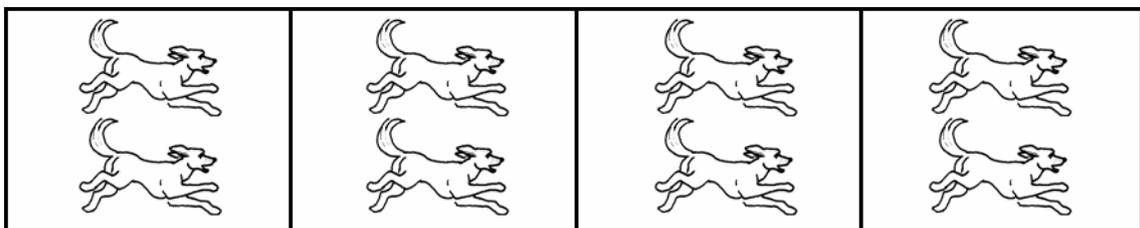
Taláta ndu árbaqa nágiya at'ináshar

#### Másal 2



Taláta ndu holóñ nníñ giya sitta

#### Másal 3



Holoñóniñndu arbagu ná giya tamániya

Almasálá tharhu  $3+3+3+3$  k'alla 3 awalula arbaqa mara't

Tha thoñorindu awalua  $4 \times 3$  ñineñ k'allane

Almasálá mba mad'I  $3+3$  k'alla 3 awoula tha holoñoniñ

Tha thoñorindu awaluo  $3 \times 2$  ñ'k'alla 3 awalula tha holoñoniñ

Almasálá Taláta  $2+2+2+2$  k'all 2 awalula arbaqa marat

Tha thoñorindu awaluo  $2 \times 4$  ñineñ k'allane

Gillé "x" alqalámá awalúó mmaané

$4 \times 3 = 12$  rotha awaluo (fii) ñineñ s'ulane

4s'úlá áwoluqí 3 s'úlá Áwolula 12 shíñ aná 4 u 3 ñineñ mmaané

K'illiñ A, B u Di ma maatha alhisaaba zii thandulegu

$A \times B = D$  "Ala k'ala "A" awaluqi B awalula u

D a wola – are

Thámáthá – thalúyú  $4 \times 2 = 8$  yaqani awaluqi u áwolula ma dagaluoqi wala thohi na añá awaluo

Shak'alatha mithil almasala bulu u galabatha tha awaluyueqi(fii)

**Másal**  $2+2+2+2= 4 \times 2$

A/  $4+4=$

I/  $5+5+5=$

E/  $5+4=$

G/  $8+8=$

M/  $6+6+6+6=$

B/  $2+2+2=$

D/  $9+9=$

F/  $2+2+2+2+2=$

H/  $3+3+3+3+3+3=$

J/  $7+7+7=$

## qi geera 5:2

Míthil almasálalé mothátha asandúk'á d'eñíthíyu

A/  $4 \times 2 =$

I/  $5 \times 2 =$

E/  $7 \times 2 =$

G/  $2 \times 4 =$

Ii/  $6 \times 4 =$

Ki/  $2 \times 9 =$

B/  $8 \times 2 =$

D/  $7 \times 3 =$

F/  $3 \times 2 =$

H/  $9 \times 2 =$

Ji/  $3 \times 3 =$

Li/  $9 \times 4 =$

Awaluwa thá "2"

Hoshalathá gíñ zíqí tha buluwweqí

$2 \times 4 =$    $\times 2$

$5 \times 2 = 2 \times$

$8 \times 3 = 3 \times$

$2 \times 2 =$    $\times 2$

$4 \times 10 =$    $\times 4$

$7 \times 2 = 2 \times$

$9 \times 2 = 2 \times$

$6 \times 4 =$    $\times 6$

$2 \times 7 = 7 \times$

$2 \times 5 =$    $\times 2$

## Awaluwa tha “2”

Hoshalathá gíñ zííqi tha buluweqitháñ

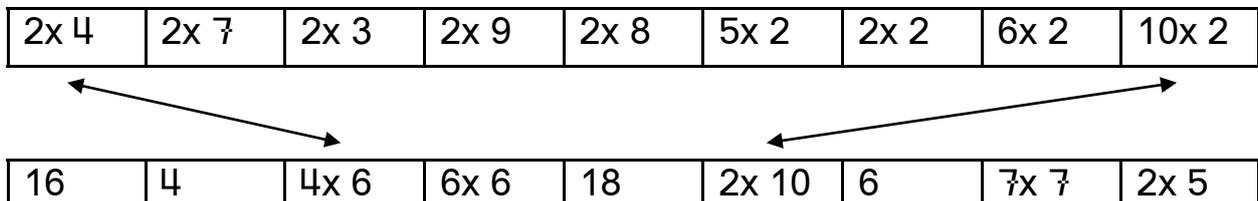
$0+0=2 \times 0=0$	$1+2=2 \times 1=2$
$2+2=2 \times 2=4$	$3+3=2 \times 3=6$
$4+4=2 \times 4=8$	$5+5=2 \times 5=10$
$6+6=2 \times 6=12$	$7+7=2 \times 7=14$
$8+8=2 \times 8=16$	$1+2=2 \times 9=18$
$10+10=2 \times 10=20$	

Thámáthá- thal’íyú

<b>0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20</b>
--

### qi geera 5:4

1/ míthil almasálalé mbágídi motha na muqí ahuluthaqi



2/ Áhuhathá anímírá mbá walá ma walare “2”

B	2x B
3	
1	
4	
2	
5	

D	D x 2
	8
6	
	18
3	
	20
5	

Másal 2,5,4,6,8,7,9,17,18

## Awoluwa tha “3”

Giñ k’ala sha awolu’wa alhisábá d’uk’únúñ alamothuau tha-alu – thathap’madi hathuwe. Alhisábá zíí thandule ma awouwola tha 3 alhisábáló áthap’úalú ale añ táláta no. Ashan shúgo

$0+ 0+ 0= 3x 0= 0$	$1+ 1+ 1= 3x 1=3$
$2+ 2+ 2= 3x 2= 6$	$3+ 3+ 3= 3x 3=9$
$4+ 4+ 4= 3x 4= 12$	$5+ 5+ 5= 3x 5= 15$
$6+ 6+ 6= 3x 6=18$	$7+ 7+ 7= 3x 7= 21$
$8+ 8+ 8= 3x 8= 24$	$9+ 9+ 9= 3x 9=27$
$10+ 10+ 10= 3x 10= 30$	

Thámáthá- thaluyu

**0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30**

## qi geera 25:5

1/ Míthil almasálalé mbá gídi mothá namuqí áhultháqi

3x 1	3x 4	3x 5	3x 2	3x 0	3x 3	3x 6	6x 3	4x 3
				↙ ↘		↕		
5x 3	4+4+4	0	12	9	2+2+2	6+6+6	3	18

2/ Áhoruthá asundúk’á zífundu añá d’eñethiyu

Bi	3x Bi	Di	2x Di
0			9
2		2	
1			18
3		5	

3/ Áhohathá anímírá mbá walá ma walare”2”

1,3,5,6,9,13,12,11,18,16,19

**Awaluwa tha “4”** Alhisábá zíí thandule ma awoluwolá thá 4 alhisábáló átha p’ualú ale añ Áribaqaanó ashan shúgo Awala thá árbaqa aleñ “4” shambaló

$0+ 0+ 0+ 0= 3 \times 0=0$	$1+ 1+ 1+ 1= 4 \times 0= 4$
$2+ 2+ 2+ 2= 4 \times 0=8$	$3+ 3+ 3+ 3= 4 \times 0= 12$
$4+ 4+ 4+ 4= 4 \times 0=16$	$5+ 5+ 5+ 5= 4 \times 0= 20$
$6+ 6+ 6+ 6= 4 \times 6= 24$	$7+ 7+ 7+ 7= 4 \times 7= 28$
$8+ 8+ 8+ 8= 4 \times 8= 32$	$9+ 9+ 9+ 9= 4 \times 9= 36$
$10+ 10+ 10+ 10= 4 \times 10= 40$	

Thámáthá – thaluyú

**0, 4, 8, 12, 16, 20, 24, 28, 32, 36, 40**

1/ Áhoruthá asundúk’á ziiudu añá d’eñe thinéyú

B	4x B	D	D x 4
1		3	
2			16
3		5	
5			12
4		2	

2/ Míín thá mbáléyú áhuhathá álú mbá walá ma awola-are 4  
4,3,7,0,12,5,19,16

## Awolua thá “5”

Anímírá zíí thandule shálé áwalu thá 5 ala kátabá anímírá 5 marrát mmaané

$0+ 0+ 0+ 0+ 0= 5x 0= 0$	$1+ 1+ 1+ 1+ 1=5x 1= 5$
$2+ 2+ 2+ 2+ 2= 5x 2= 10$	$3+ 3+ 3+ 3+ 3= 5x 3= 15$
$4+ 4+ 4+ 4+ 4= 5x 4= 20$	$5+ 5+ 5+ 5+ 5= 5x 5= 25$
$6+ 6+ 6+ 6+ 6= 5x 6= 30$	$7+ 7+ 7+ 7+ 7= 5x 7= 35$
$8+ 8+ 8+ 8+ 8= 5x 8= 40$	$9+ 9+ 9+ 9+ 9= 5x 9= 45$
$10+ 10+ 10+ 10+ 10= 5x 10= 50$	

Thámathá – thalúyú

**0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50**

**qi geera 25:7**

Bi	4x B
1	
2	
3	
5	
4	

Di	D x 4
3	
	16
5	
	12
2	

2/ shambálé zííné shuthá thalú mbá walá ma awola-are “5”

## A wouluwa- tha 1

Anímírà zìthandulé shále awolu thá 1 álá kátaba mára “1”  
mmane

0= 1x 0=0	1= 1x 0= 1
2= 1x 0=2	3= 1x 0= 3
4= 1x 0=4	5= 1x 0= 5
6= 1x 6= 6	7= 1x 7= 7
8= 1x 8= 8	9= 1x 9= 9
10= 1x 10= 10	

thámáthá thalúyú

**0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10**

**qi geera 5:8**

Bi	1x Bi
1	
2	
3	
4	

Di	Di x 1
	3
4	
	5
6	

Áhu- hathá anímírà mbá áwolware 1  
2,0.5,7,-1,-5,-14,

**Awaluwa**             $2 \times 0 = 0 + 0 = 0$   
                           $3 \times 0 = 0 + 0 + 0 = 0$   
                           $4 \times 0 = 0 + 0 + 0 + 0 = 0$   
                           $4 \times 0 = 0 + 0 + 0 + 0 + 0 = 0$   
                           $5 \times 0 = 0 + 0 + 0 + 0 + 0 + 0 = 0$

Shane  $1 \times 0 = 0$  shambá k'álóñane kábul

Mamab: mala aña awoluqi tha awaluwa madi huthu alhal thikila wala tho hiqi ashan shugo

**qi geera**    mbá awoluqi tha awaluwa madi huthu na mothá

thik'ila wala tho-hiqi ashan shúgo

$$0 \times 1 = 1 \times 0 = 0$$

$$0 \times 2 = 2 \times 0 = 0$$

$$0 \times 3 = 3 \times 0 = 0$$

$$0 \times 4 = 4 \times 0 = 0$$

**Thama-tha thallúyú:- Anímírá kílíñ ma awuluwala tha "0" sifir ñineñ mmaané**

Maamaz 5:9

K'ap'a tha alhal maluqigu

$$1) A \times 12 = 0$$

$$2) 15 \times L = 0$$

$$3) 16 \times 0 = I$$

$$4) 14 \times 0 = E$$

$$5) 7 \times M = 0$$

$$6) 20 \times 0 = n$$

$$7) 8 \times L = 0$$

$$8) 8 \times Bi = 0$$

## Awaluwa thá 6

Mothá maluqiyu

Thámátha- thaalúyú	$0 \times 6 = 6 \times 0 = 0$	$1 \times 6 = 6 \times 1 = 6$
	$2 \times 6 = 6 \times 2 = 12$	$3 \times 6 = 6 \times 3 = 18$
	$4 \times 6 = 6 \times 4 = 24$	$5 \times 6 = 6 \times 5 = 30$
	$6 \times 6 = 6 \times 6 = 36$	$7 \times 6 = 6 \times 7 = 42$
	$8 \times 6 = 6 \times 8 = 48$	$9 \times 6 = 6 \times 9 = 54$
	$10 \times 6 = 6 \times 10 = 60$	

0, 6, 12, 18, 24, 30, 36, 42, 48, 54, 60

## Awaluwa “7”

Thamatha- thaalúyú	$0 \times 7 = 7 \times 0 = 0$	$1 \times 7 = 7 \times 1 = 7$
	$2 \times 7 = 7 \times 2 = 14$	$3 \times 7 = 7 \times 3 = 21$
	$4 \times 7 = 7 \times 4 = 28$	$5 \times 7 = 7 \times 5 = 35$
	$6 \times 7 = 7 \times 6 = 42$	$7 \times 7 = 7 \times 7 = 49$
	$8 \times 7 = 7 \times 8 = 56$	$9 \times 7 = 7 \times 9 = 63$
	$10 \times 7 = 7 \times 10 = 70$	

0, 7, 14, 21, 28, 35, 42, 49, 56, 63, 70

## Awaluwa “8”

Thámátha- thaalúyú	$0 \times 8 = 8 \times 0 = 0$	$1 \times 8 = 8 \times 1 = 8$
	$2 \times 8 = 8 \times 2 = 16$	$3 \times 8 = 8 \times 3 = 24$
	$4 \times 8 = 8 \times 4 = 32$	$5 \times 8 = 8 \times 5 = 40$
	$6 \times 8 = 8 \times 6 = 48$	$7 \times 8 = 8 \times 7 = 56$
	$8 \times 8 = 8 \times 8 = 64$	$9 \times 8 = 8 \times 9 = 72$
	$10 \times 8 = 8 \times 10 = 80$	

0, 8, 16, 24, 32, 40, 48, 56, 64, 72, 80

## awakua“9”

Thámathá- thaalúyú	$0 \times 9 = 9 \times 0 = 0$	$1 \times 9 = 9 \times 1 = 9$
	$2 \times 9 = 9 \times 2 = 18$	$3 \times 9 = 9 \times 3 = 27$
	$4 \times 9 = 9 \times 4 = 36$	$5 \times 9 = 9 \times 5 = 45$
	$6 \times 9 = 9 \times 6 = 54$	$7 \times 9 = 9 \times 7 = 63$
	$8 \times 9 = 9 \times 8 = 72$	$9 \times 9 = 9 \times 9 = 81$
	$10 \times 9 = 9 \times 10 = 90$	

**0, 9, 18, 27, 36, 45, 54, 63, 72, 81, 90**

## Awaluwa “10 ”

Thámatha- thaalúyú	$0 \times 10 = 10 \times 0 = 0$	$1 \times 10 = 10 \times 1 = 10$
	$2 \times 10 = 10 \times 2 = 20$	$3 \times 10 = 10 \times 3 = 30$
	$4 \times 10 = 10 \times 4 = 40$	$5 \times 10 = 10 \times 5 = 50$
	$6 \times 10 = 10 \times 6 = 60$	$7 \times 10 = 10 \times 7 = 70$
	$8 \times 10 = 10 \times 8 = 80$	$9 \times 10 = 10 \times 9 = 90$
	$10 \times 10 = 10 \times 10 = 100$	

**0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100**

masal

## qi geera 5:10

K'ap'átha anímírá mbá áwoluwa are :-

A/  $2 \times 5 =$

B/  $4 \times 2 =$

m/  $3 \times 2 =$

D/  $5 \times 2 =$

Ei/  $1 \times 1 =$

F/  $3 \times 3 =$

Gi/  $2 \times 0 =$

H/  $20 \times 2 =$

Ii/  $5 \times 4 =$

J/  $4 \times 3 =$

Ki/  $5 \times 3 =$

L/  $7 \times 2 =$

2/ Mótháthá anímírá mbá masse thá añá d'eñethiyú

A/  $4 \times$    $= 8$

Bi.  $2 \times$    $= 12$

Ci/   $\times 6 = 12$

Di.  $10 \times$    $= 20$

Ei/  $7 \times 2 =$

Fi.  $2 \times$    $= 10$

Gi/   $\times 9 = 18$

Hi.   $\times 3 = 6$

Ii/  $2 \times 4 = 8$

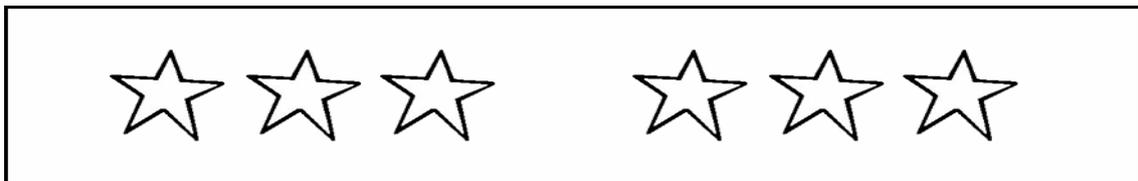
Ji.  $5 \times$    $= 10$

Ki/  $8 \times$    $= 16$

Li.  $2 \times$    $= 20$

## 5:2 Alhisáábá zíí thandule "1"Le tha "20"

Tha álágásama hoshala hathuthañ na giñ ziitha buluweqí



Ís'u 6



Ís'u 3

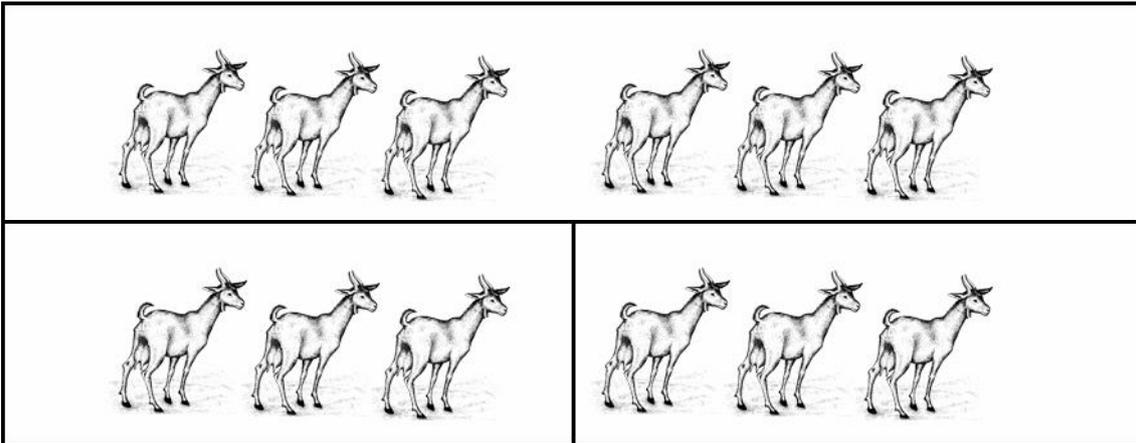
Ís'u 3

Tha asúraléyúgú nañ hiyathu álú?

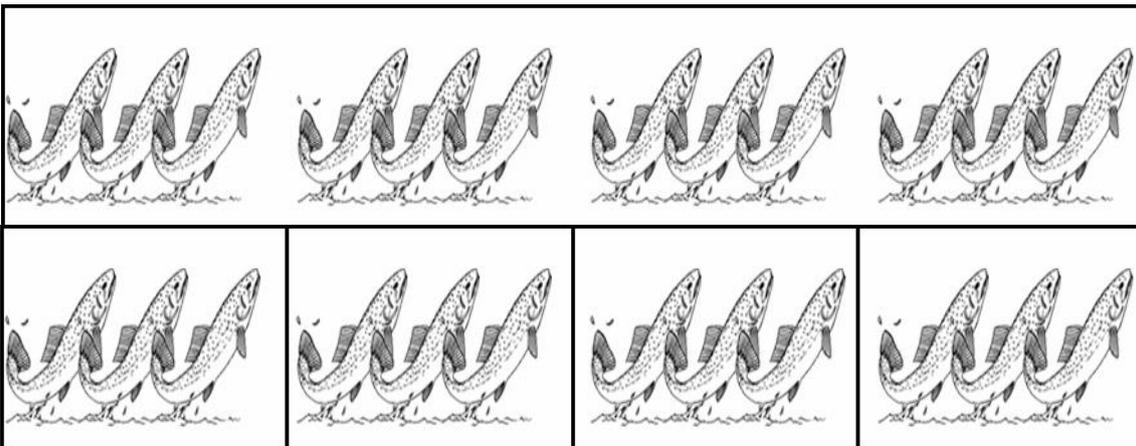
Híyathú álúwá ? 6 ma gasamala holoñoníñéqí 3 ñinéñ thikilaya?

6 magasamala 2 nagiya 3 . thañorindu k'ak''ap' tha gasama shugo

ñineñ shak'allane  $6 \div 2 = 3$



Fat'ina dam alburtukan sita ane gasamane geedi talateqi manamuqi alburtukan kamu kamu hosalna martheqi?  
 giñ hii hathau alu thalo alburtukn mazioqi 6 ma gasamala manamuqi holoñoiñ níñ  
 holoñoniñ mar- theqi Ashan shugo  $6 \div 3 = 2$  ñineñ fagadiñane



Tha asúráláyú náñ híihathú álú?  
 Hia thualu me sha 12 magasamala aleñ 4 nagiya 3, 12 aleñ 4 na giya 3 thañorindu k'ak'ap thagasamayu shugo ñineñ shák'allané  $12 \div 4 = 3$   
 Tha  $12 \div 4 = 3$  tha alhisábaléyu 12 mba grasamla 4 mba gasamala 3 thi thik'  
 Kíliñ A ÷ B alhisábá zíí thandule ma-mae  $A \div B = D$  tha –ahisábálayú  
 “A” mba gasamla, mba mbagasamala u Di mba hosal ñine qí mmáne.

## Gásama tha 2

Hoshalathá thañ shugo  $12 \div 4 = 3$

$$2 \div 2 = 1$$

$$4 \div 2 = 2$$

$$6 \div 2 = 3$$

$$8 \div 2 = 4$$

Áwal :  $2 \times 1 = 2$

$$2 \times 2 = 4$$

$$2 \times 3 = 6$$

$$2 \times 4 = 8$$

Fágadá alhala mba zii tha gasamayu u tha a woluwayu shamble ziine

tha mba daraqiyu(gashaqiyu) gasama ale álagasuyú awoluwa mmaané.

Asanduk'á ziiundule mádiñ alaha gasoma umba– awoluwaqi

Mbá gasamó	Mbá awoluwó
$2 \div 2 = 1$	$2 \times 1 = 2$
$4 \div 2 = 2$	$2 \times 2 = 4$
$6 \div 2 = 3$	$2 \times 3 = 6$
$8 \div 2 = 4$	$2 \times 4 = 8$
$10 \div 2 = 5$	$2 \times 5 = 10$
$A \div B = D$	$B \times D = A$

qi geera 5: 11

H	$H \div 2$
4	2
8	
12	
14	
18	

H	$H \div 2$
	6
10	
	9
16	
	5

## gasama 3

Hoshalathá asandú'k'á ziiundu tháñ

Mná gasamó	Mbá awaluwó
$3 \div 3 = 1$	$3 \times 1 = 3$
$6 \div 3 = 2$	$3 \times 2 = 6$
$9 \div 3 = 3$	$3 \times 3 = 9$
$12 \div 3 = 4$	$3 \times 4 = 12$
$15 \div 3 = 5$	$3 \times 5 = 15$
$18 \div 3 = 6$	$3 \times 6 = 18$

## qi geera 5:12

1. Gasama tha 3 ñgo mathi lagaziña tha awaluwa 3

H	$H \div 3$
6	
3	
12	
9	
15	

H	$H \div 3$
	3
15	
	4
18	
	1

2. shambálé zine madiñathaquí tha gasama

A/  $4 \times 3 = 12$

B/  $6 \times 3 = 18$

I /  $1 \times 3 = 3$

D/  $2 \times 3 = 6$

E.  $5 \times 3 = 15$

## gasama 4

Hoshala tha Asanduk'a zii undu thañ

Mbá gasamó	Mbá awaluwo
$4 \div 4 = 1$	$4 \times 1 = 4$
$8 \div 4 = 2$	$4 \times 2 = 8$
$12 \div 4 = 3$	$4 \times 3 = 12$
$16 \div 4 = 4$	$4 \times 4 = 16$
$20 \div 4 = 5$	$4 \times 5 = 20$
$24 \div 4 = 6$	$4 \times 6 = 24$

Gasama tha 4 ma-lagasíñaño shin tha woluwa 4 shiñ mmame

## qi geera 5:13

1/ áhorathá asundúk'a ziiundu shabále zíné aña d'eñethináyu  
(mafadi)

H	$H \div 4$	H	$H \div 4$
12		8	
8			3
16		12	
20			4

2/ madiña thaqi tha gasama shambále zíné

A.  $4 \times 3 = 12$

B.  $4 \times 5 = 20$

E.  $4 \times 1 = 4$

D.  $4 \times 2 = 8$

## mithil tha 5

Gásamatha 5 me –ulugaswañiqitha awoluwa 5 shiñ mane

Mbá gasanó	Mbá awaluwó
$5 \div 5 = 1$	$5 \times 1 = 5$
$10 \div 5 = 2$	$5 \times 2 = 10$
$15 \div 5 = 3$	$5 \times 3 = 15$
$20 \div 5 = 4$	$5 \times 4 = 20$
$25 \div 5 = 5$	$5 \times 5 = 25$
$30 \div 5 = 6$	$5 \times 6 = 30$

## qi geera 5:14

1/ Áhorthá asandúk'á ziiundu añã eñethinayú

H	$H \div 4$	H	$H \div 4$
20			3
15		10	
5			1
10		15	

2.madiña thaqi tha gasama shambale zíné

- A.  $5 \times 2 = 10$       B.  $5 \times 1 = 5$   
E.  $5 \times 4 = 5$       D.  $5 \times 3 = 15$

## Gasama thá “1”

Gasama tha 1 maaqlagas u woñoqitha awoluwa 1 shiñ

Mbá gasam	Mba awaluwo
$1 \div 1 = 1$	$1 \times 1 = 1$
$2 \div 1 = 2$	$1 \times 2 = 2$
$3 \div 1 = 3$	$1 \times 3 = 3$
$4 \div 1 = 4$	$1 \times 4 = 4$
$5 \div 1 = 5$	$1 \times 5 = 5$
$6 \div 1 = 6$	$1 \times 6 = 6$

Thámáthá thalu yu alhisab kiiliñma gásamala 1 Alu' k'arak'e d'e ñineñ has'ulane qi geera añalafinalu k'iliñ

### Shák'alathá tha almasálalé

Shák'alathá tha almasalalé másal  $4 \div 2 = 2$  nanoqi  $2 \times 2 =$

- A.  $4 \div 2 =$   nanoqi
- B.  $6 \div 2 =$   nanoqi
- E.  $18 \div 3 =$   nanoqi
- D.  $16 \div 4 =$   nanoqi
- Ei.  $12 \div 4 =$   nanoqi
- F.  $10 \div 5 =$   nanoqi
- G.  $15 \div 5 =$   nanoqi
- H.  $12 \div 6 =$   nanoqi
- I.  $14 \div 7 =$   nanoqi
- J.  $16 \div 8 =$   nanoqi

2/ thal masalale áhoratha asandúk'á d'añethiyu

**Mithal 1** 1.  $4 \div 2 = 2$  **Mithal 2**  $12 \div 2 = 6$

- A/   $\div 2 = 3$  B/   $\div 2 = 6$
- Ci/   $\div 4 = 3$  D/   $\div 5 = 4$
- Ei/   $\div 6 = 3$  F/   $\div 4 = 3$
- Gi/  $16 \div 2 =$   H/  $18 \div 2 =$
- I/  $12 \div 3 =$   J/  $16 \div 4 =$
- K/  $9 \div 3 =$   L/  $10 \div 5 =$

3/ kataba tha alqalamalegu(+, -, ÷, x) mba nagazi tha tba asundúk'.á d'mafadi-yú

5 <input type="text"/>	2= Bi	2 <input type="text"/>	1= 3
5 <input type="text"/>	1= 4	2 <input type="text"/>	3= 5
1 <input type="text"/>	1= 3	4 <input type="text"/>	2= 4
5 <input type="text"/>	2= 0	6 <input type="text"/>	5= 1
5 <input type="text"/>	4= 5	4 <input type="text"/>	2= 2
3 <input type="text"/>	1= 2	0 <input type="text"/>	6= 6

4/ Mithil mothálé thámáthá min mba k'ós'íyu le tha mbá d'áñiyú mamd'ualugu

2÷2	2x3	3+0	2+3	6-2	1x2	3-3	4+3
3-3	<input type="text"/>						

nagasa Tha tháp'

5/ <, > aw = A  kataba thanthañ

A/ 7x2 <input type="text"/>	2x7	Bi/ 6x2 <input type="text"/>	6+2
Ci/ 7x2 <input type="text"/>	14	Di/ 2x3 <input type="text"/>	3+3
Ei/ 3x2 <input type="text"/>	2+2+2		

6. Míthil almasalale ahortha saanduk'ale

A	A x 2	A	2x A	Di	2x Di
0	0	4	8	2	4
6		6		5	
9		1		8	
8		0		9	
5		3		7	

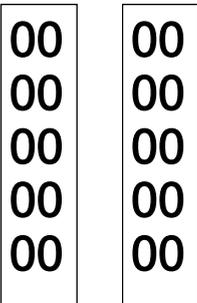
7. Shák'alathá tha almasálalé

A	Di	A x Di	A	Di	A x Di
3	2	6	5	2	10
4	3		6	2	
5	3		2	9	
4	5		3	6	
6	2		2	8	

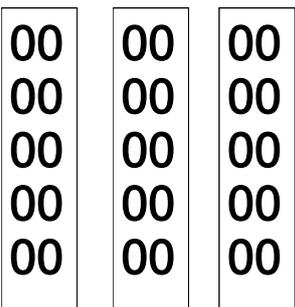
# Ak'uso sitta

6:1 Awalare 10 ñgo thík'a

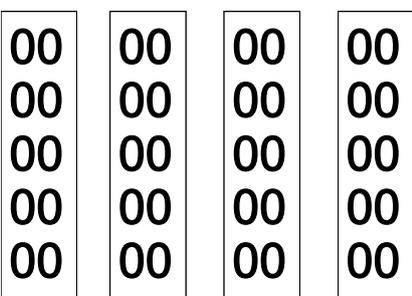
Mabale' 20" (Ishirin mmaane)


$$\begin{array}{r} 10 \\ 2 \end{array} + 10 = 20$$
$$\begin{array}{r} 2 \\ 2 \end{array} \times 10 = 20$$

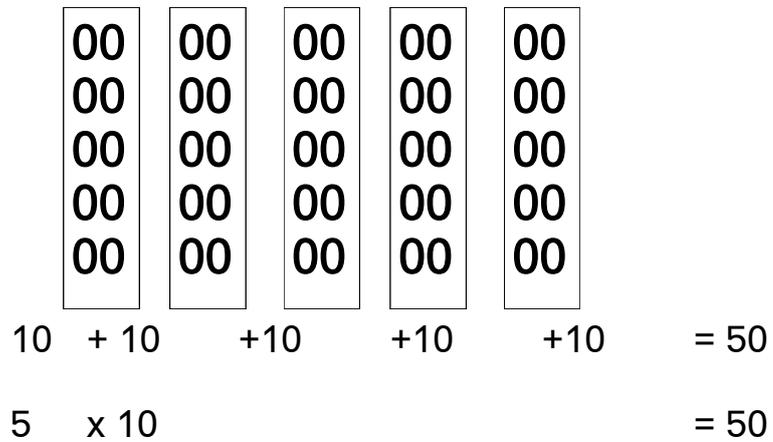
mbálé"30" (Talátin /mmaané)


$$\begin{array}{r} 10 \\ 3 \end{array} + 10 + 10 = 30$$
$$\begin{array}{r} 3 \\ 3 \end{array} \times 10 = 30$$

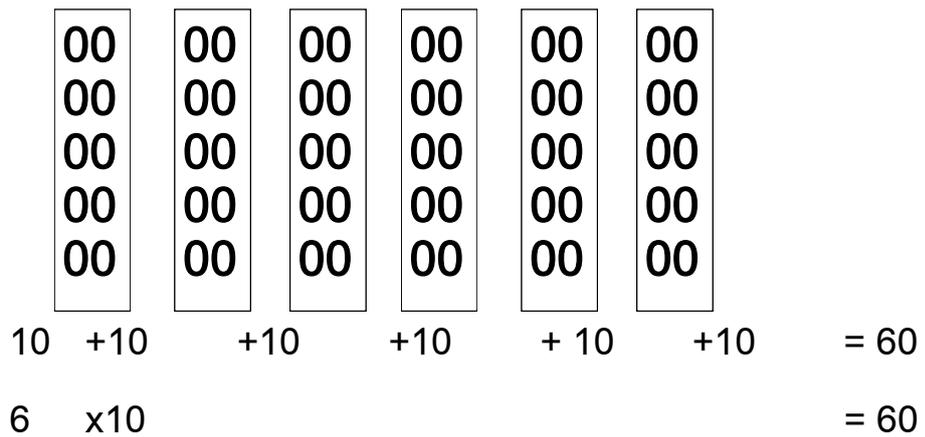
mithil


$$\begin{array}{r} 10 \\ 4 \end{array} + 10 + 10 + 10 = 40$$
$$\begin{array}{r} 4 \\ 4 \end{array} \times 10 = 40$$

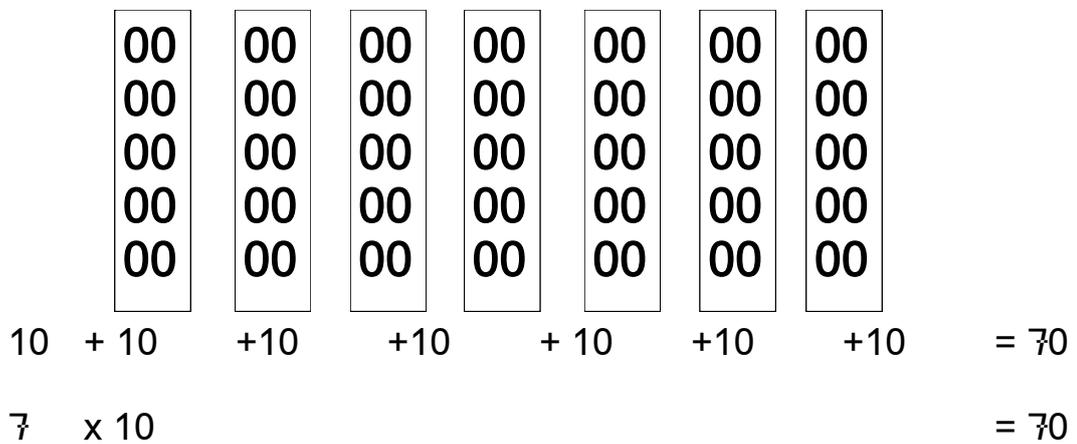
Mbale "50" hamísin/ maané



mbale"60" Sitín /maané



mbálé"70" (sabagín mmaané)



Thámáthá –tha lúyú

10 20, 30,40, 50, 60, 70, 80, 90, 100  
awalare mbá 10 maréme

Míthil almasálálé máthiñatha animirale thi thalwarga ñgamayu mbá  
qi geeró másal 1

10	10	10	10	10	10	10	10
20	20						
30							
40							
50							
60							
70							
80							
90							
100							

qi geera 6:2

Katabatha alhisábále tha anímira

Másal Dissaqín = “90”

Áshara	<input type="text"/>	iqshirin	<input type="text"/>	Talatín
hamsín	<input type="text"/>	sitin	<input type="text"/>	Arbaqín
Tamanín	<input type="text"/>	sabaqín	<input type="text"/>	míya

qi geera 6:3

másal

1/ Shák'alathá míthíl almíthálalé

A.  $2 \times 10 =$

B.  $3 \times 10 =$

m.  $1 \times 10 =$

D.  $5 \times 10 =$

E.  $4 \times 10 =$

2/ Kátabatha tha awalua

A.  $60 =$

B.  $70 =$

m.  $10 =$

D.  $80 =$

Ei.  $40 =$

F.  $90 =$

G.  $20 =$

H.  $30 =$

K.  $100 =$

J.  $50 =$

qi geera 6:4

1/ Shák'alatha míthil almasálalé

D	D x 10
4	
5	
1	
6	

H	H x 10
3	
7	
8	80
9	

2/ k'ap'áthá motha mbá"A" háthú móthá thá añá d'eñethíyu

Másal  $A \times 10 = 60$  ,  $A = 6$

$A \times 10 = 30$ .  $A =$

$A \times 10 = 40$ .  $A =$

$A \times 10 = 70$ .  $A =$

$A \times 10 = 80$ .  $A =$

$A \times 10 = 50$ .  $A =$

$A \times 90 = 10$ .  $A =$

6:2 Awalaré 10 thalu thathap' ú tha nágasa

Awalare Lo tháthá tháp'ú

1/ Míthil almasalale awalaré 10 thap'u alú u ñgo áfaru gúndi

**Míthil**  $30 = 10 + 10 + 10$

A.  $20 =$

B.  $40 =$

M.  $60 =$

D.  $50 =$

E.  $80 =$

F.  $70 =$

Gi.  $90 =$

Hi.  $100 =$

2. Shák'alathá tha almasalale

$$20 + 40 = (10) + (10 + 10 + 10)$$

$$= 6 \times 10$$

$$= 60$$

$$30 + 20 = (10) + (10 + 10 + 10 + 10)$$

$$= 5 \times 10$$

$$= 50$$

**Másal** 3/  $70 + 20 = 90$   $7 + 2 = 9$

A.  $50 + 40 =$

B)  $30 + 60 =$

M)  $20 + 50 =$

D.  $40 + 30 =$

E)  $10 + 50 =$

F)  $30 + 50 =$

G.  $80 + 20 =$

H)  $70 + 10 =$

I)  $60 + 40 =$

Ji.  $40 + 40 =$

Bi. Awala- are 10 ala nagasa

Awala-are ásharq shambá nágasiláne thámáthága albaal

Másal tha 20 , 10 holi nolóñóníñ (20= 10+10 )

Tha 30, 10 holi taláta(40 = 10+10+10+10)

Tha 50 , 10 holi hámsa (50 = 10+10+10+10+10)

Tha 60, 10 holií sitta (10 10+10+10+10+10)

Másal 1, tha 20 ,10 holi holoñ. Ma has 'ulañaqi d'uk'únúñ kámu gashí (20-40 ) 0 (sífir)

**Másal 2**, tha 40 ,10 holi arbaqa mahas'ulañaqi holoñoniñ kámu gashí 10 holóñóniñ ñinéñ gashí

$$40 - 20 = 20$$

**Másal** tha 50 ,10 holi hámsa ma has'ulañaqi 3 kámu gashí? 10 holoñóiñ

$$50 - 30 = 20$$

qi geera 6:7

Shák'alathá míthil almithálalé

**Másal 1** :- 30-20 =10 nanoqi 3-2=1

**Másal 2** :- 80 – 3 0=50 nánóqí 8-3=5

- |             |                      |        |                      |
|-------------|----------------------|--------|----------------------|
| 1. 50– 40=  | <input type="text"/> | nánóqí | <input type="text"/> |
| 2. 60– 30=  | <input type="text"/> | nánóqí | <input type="text"/> |
| 3. 70– 40=  | <input type="text"/> | nánóqí | <input type="text"/> |
| 4. 100– 40= | <input type="text"/> | nánóqí | <input type="text"/> |
| 5. 30– 20=  | <input type="text"/> | nánóqí | <input type="text"/> |
| 6. 40– 10=  | <input type="text"/> | nánóqí | <input type="text"/> |
| 7. 80– 30=  | <input type="text"/> | nanoqi | <input type="text"/> |
| 8. 90– 50=  | <input type="text"/> | nanoqi | <input type="text"/> |
| 9. 20– 10=  | <input type="text"/> | nanoqi | <input type="text"/> |
| 10. 60– 40= | <input type="text"/> | nanoqi | <input type="text"/> |

2/ tha almásálalé k'ap'átha mothá mbá alhurufale

Másal 1 :-  $A + 30 = 50$ ,  $A = 20$

Másal 2 :-  $90 - Di = 50$ ,  $Di = 40$

A.  $A + 80 = 100$ ,  $A =$

B.  $A + 40 = 70$ ,  $A =$

I.  $A + 50 = 80$ ,  $A =$

D.  $A + 60 = 90$ ,  $A =$

E.  $A + 20 = 30$ ,  $A =$

F.  $70 + Di = 40$ ,  $A =$

G.  $80 + Di = 10$ ,  $A =$

H.  $40 + Di = 10$ ,  $A =$

I.  $60 + Di = 30$ ,  $A =$

J.  $100 + Di = 70$ ,  $A =$

### Rothá d'oshuíyu

1. Shúlindu d'uk'úníñ "A" mayú geedí gáraaqí 60 U shúlindu1, B mayú geedigaraqi 40 shulindu holoñoniuñek'ede' ma buralalu kámu ma máré
2. Tha almustáshfá Assósayú maabí badí Édis ma séjáltháqi 30 thá maskarám u thá t'ik'ímtú ma sajela-gú 40 tha shaharénú maabí bad'í Édis kámu sájalígú
3. Ma almánga holthaqí 40 tha ashambák'ú u \*álá fárá-álú 10 almánga kámu gashígú?
4. Ma maabí 50 sááfarthaqígu mín tha Assósa tha albáás u mímba wósál máré thá Bambasí a móábí bútháqi 20 kámu gashígú na maabí tha albáású?
5. Ma almánga 60 zíítháqi tha ashambák'ú u álá tháp'áqi tha almánga 30 kámu giiné na almangá tha ashámbálk'u?

### 3 Awola-are 10 ale asherugu

qi geera 6.8

Shák'althá míthil almithalé

**Másal 1** –  $70 > 40$ , nanoqi  $7 > 4$ ,  $50 < 60$  nánóqí  $5 < 6$ ,  $20 = 20$  nanoqi ,  $2 = 2$

$80 > 50$  , nánóqí

$70 > 20$  , nánóqí

$80 > 50$  , nánóqí

$10 < 40$  , nánóqí

$70 = 70$  ,nánóqí

$60 < 80$  ,nánóqí

$60 > 40$  , nánóqí

$90 > 50$  , nánóqí

$20 < 50$  ,nánóqí

$90 > 70$  ,nánóqí

$70 < 80$  , nanoqi

$60 > 20$  , nanoqi

$30 < 50$  , nanoqi

$30 > 80$  , nanoqi

$70 > 50$  , nanoqi

Bi/ Ásheruthá tha  $<$ ,  $>$ , wala  $=$

50   $40 + 10$

40   $20 + 20$

80   $70 + 10$

$30 + 20$   50

$100 + 90$   10

90   $60 + 30$

80   $50 + 30$

$80 + 10$   90

20   $10 + 10$

90   $80 + 10$

6:4 Alhisaba zii thandule min 21-Le 100

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20+2 = 22(wahit w'a ishirín)

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20+ 2= 22 (itine waishirin)

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0

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00      0  
00      0  
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20+3 = 23 (Taláta w'a ishirín)

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20+4 = 24 (Árbaqa w'a ishirín)

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20+ 9= 29 (tisaqa wa ishirin)

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20+ 10= 30 (Talatin)

## Thámá thá thalúy ú

Ashan shugo tha 10ḥ Tha 20 ḥ Tha 30ḥ Tha40ḥ Tha50 ḥ Tha60ḥ Tha70  
ḥ Tha 80ḥ Tha 90ḥ

Aña zila sifir (0) 1ḥ 2ḥ 3ḥ 4ḥ 5ḥ 6ḥ 7ḥ 8ḥ u9 tha baoola animira zii tha  
nusu madinaqi

**Mithal** 30 mahas'ulañ tha aña asifiruyu mbatalaña tha

31' Wahid watalatín ( 3 áshara u 1 d'a'k'úniñ)

32' itine watlatin ( 3 áshara u 2 d'a'k'uniñú)

33' Talatin watlatin ( 3 áshara u 3 d'a'k'uniñgu)

34' urbaqa watlatin( 3 áshara u 4 d'a'k'uniñgu)

35' hámsa watalatín ( 3 áshara u 5 d'a'k'úniñgú)

36' Síta watalatín ( 3 áshara u 6 d'a'k'úniñgú)

37' sábaqa watalatín ( 3 ashara u 7 d'a'k'úniñgú)

38' Tamaniyá watalatiín ( 3 ashara u 8 d'a'k'úniñgú)

39' Tísaqa watalatín ( 3 áshara u 9 d'a'k'úniñgú)

Ma shabawqi shugo Rothathá Anímírá gáshóqí

41	51	61	71	81	91
42	52	62	72	82	92
43	53	63	73	83	93
44	54	64	74	84	94
45	55	65	75	85	95
46	56	66	76	86	96
47	57	67	77	87	97
48	58	68	78	88	98
49	59	69	79	89	99

**Ashan shúgo**

41=40+1	51=50+1
42=40+2	52=50+2
43=40+3	53=50+3
44=40+4	54=50+4
45=40+5	55=50+1
46=40+6	56=50+2
47=40+7	57=50+3
48=40+8	58=50+4

## qi geera 6:7

Shák'alathá míthil almasálalé **Másal** 1/ 56= 50+6

Ashan shúgo 5 áshura u 6 d'ak'uniñ **Másal** 2/ 47 = 40+7  
nánóqí 4 áshara u 7 d'ak'uniñ

1/ 23 =

2/ 34 =

Ashan shugo  asharak  d'uk'úníñgú zíf

3/ 58 =

Ashan shugo  áshara  d'uk'úníñgú zíf

4/ 76 =

Ashan shugo  áshara  d'uk'úníñgú zíf

5/ 67 =

Ashan shugo  áshara  d'uk'úníñgú zíf

6/ 69 =

Ashan shugo  áshara  d'uk'úníñgú zíf

7/ 83 =

Ashan shugo  áshura  d'uk'úníñgú zíf

8/ 98 =

Ashan shugo  áshura  d'uk'úníñgú zíf

## qi geera 6:8

A/. Áhorathágú míthil almasálalé añá sharné.

1 Ashera=10 Ashara“1”

30= 3 Ashara talata

6. Ásharagú =

70=

3. Ásharagú =

50=

9. Ásharagú =

90=

5. Ásharagú =

20=

2. Asharagu =

10=

B. Mbá ma katabá tha anímira kátabathá tha alhurúf

20 = ishirin

44 = árbaqa u arbaqíñ

40=

95=

50=

80=

90=

38=

70=

41=

12=

60=

25=

74=

E. Mba ma katábá tha alhurúf kátabathá tha anímira

Másal Arabát'áshar = 14

Sábaqa wa hamsin = 57

humist'ashar =

Sabaqa wa hamisin

It'iná ashr =

arbaqín :

Tísaqa watalátin =

hamsa wa ishirir :

Taláta waarbaqín =

Tisaqa wa tisaqín :

Árbaqa wa arbaqín =

Sabaqa wa arbaqín :

Tísaqa wahamsín =

hámsá wa sabaqín :

D. gáráthá animirale mashúriñi u ma dířshí

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	3	24	25	26	27	28	20	30
31	32	33	34	35	36	37	38	39	40
41	41	42	43	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

qi geera 6:9

A/ Áhorothá aña ma fádi míihil almasálalé

Másal  $30 + 7 = 37$

1.  $80 + 2 =$

2.  $90 + 7 =$

3.  $60 + 5 =$

4.  $20 + 3 =$

5.  $20 + 7 =$

6.  $30 + 8 =$

7.  $70 + 5 =$

8.  $90 + 3 =$

9.  $80 + 8 =$

10.  $60 + 9 =$

11.  $30 + 4 =$

12.  $30 + 5 =$

k'up'á mothá mbá alharfú

Másal  $40 + E = 43$        $E = 3$

Másal  $52 = 50 + G$  ,       $G = 2$

1.  $20 + D = 24$ ,       $D =$

2.  $30 + D = 37$ ,       $D =$

3.  $90 + D = 99$ ,       $D =$

4.  $80 + Di = 86$ ,       $D =$

5.  $70 + Di = 72$ ,       $D =$

6.  $60 + Di = 63$ ,       $D =$

7.  $54 = 50 + E$  ,       $E =$

8.  $96 = 90 + E$  ,       $E =$

9.  $75 = 70 + E$  ,       $E =$

10.  $88 = 80 + E$ ,       $E =$

A	50+ A
6	
7	
8	58
1	
2	
4	
3	
5	

A	60+ A
6	
7	67
9	
8	
1	
2	
4	
3	

### 6:5 Fuda (fuda dudu (arial)u algírish

Min fudá beñenímin wala minalfuda ñinañ shák'aláne

## qi geera 6:10

Móthá thá d'ok'othalé gú

1. girish almalím kámu zíné thayú
2. girish u nus tariff a kamu ziinzé thayú
3. hámsa gurúsh algírish kume zína thayú?
4. Hamsa gurúsh Atarífa kámu zinethayú ?
5. Hamsa gurúsh almalin kámu zína thayú?

### Fudu dudu (Arial)

Geedí gáraqi gabul mbale garamare sha hamsa gurúsh mayú 5 gírsh

Masal 1 bir (riyal) d'ak'úniñ 5 gurush kamu ziina thayu? Hamsa gúrúsh holoñomiñ

Másal 2 bir (rial) d'uk'úniñ almalím u ziina thayu ? miya malím

## qi geera 6: 11

Móthá tha Rothá lé tha buluwé

1. bir(riyal) dudu d'uk'uniñ kámu girsh zíine thayú ?
2. bir (riyal)dudu d'ak'uniñ kamu gírish zíína thayú?

## qi geera 6:12

Mótha thá d'ak'othálégú thá búlu?

1. 5 riyal bir alim gamu arialat d'uk'unuñ na alim ziiathayu?
2. 5 riyal alim gamu hamsa gurúsh nalim zine thayu?
3. 10 riyal alim kámu u 5 rial na alim zíne thayua ?
4. 10 riyal alim kámu 1 rial 1 kamu nalim ziina thayua?
5. 10 riyal alim kámu, hamisagurush alim zina thayua?
6. 50 riyal alim kámu, 10 alim zina thayua?
7. 50 riyal alim kámu, 5 rial alim zina thayua?
8. 50 riyal alim kámu ,1 rial alim gamu zina thayua?
9. 50 riyal alim kámu, 5 rial alim kamu zina thayua?
10. 50 riyal alim kámu ,50 rial alim zina thayua?
11. 100 riyal alim kámu, 10 rial alim zina thayua?
12. 100 riyal alim kámu, 5 bir alim zina thayua?
13. 100 riyal alim kámu, 1 rial rialalim gamu zine thayua?
14. 100 riyal alim kámu ,5 rial alim gamu zina thayua?

## 6:6 Alhisábá zííthandule Le 100 mamad'uqi

qi geera 6:13

Míthila almasálalé kátabathá anímírá mad'qi u mbá thárhu tha sandúk'u

Másall mbá thárhu alhisábá mbá mád'í

$$\begin{array}{l} \boxed{20} > 21 \quad \boxed{22} \\ \boxed{30} > 21 \quad \boxed{32} \end{array}$$

1.  ,25
3.  ,29
5.  ,20
7.  ,23
9.  ,27
11.  ,26
13.  ,78

2.  ,28
4.  ,39
6.  ,30
8.  ,33
10.  ,37
12.  ,36
14.  ,88

B/ Mithil almithalálé kálabathá anímira mad'uqi mbá thár hu

Tha sandúk'ú

Másal Mbathárhú

40	41	42
50	51	52

1.	<input type="text"/>	,45	<input type="text"/>	2.	<input type="text"/>	,95	<input type="text"/>
3.	<input type="text"/>	,93	<input type="text"/>	4.	<input type="text"/>	,58	<input type="text"/>
5.	<input type="text"/>	,49	<input type="text"/>	6.	<input type="text"/>	,60	<input type="text"/>
7.	<input type="text"/>	,87	<input type="text"/>	8.	<input type="text"/>	,50	<input type="text"/>
9.	<input type="text"/>	,66	<input type="text"/>	10.	<input type="text"/>	,77	<input type="text"/>
11.	<input type="text"/>	,43	<input type="text"/>	12.	<input type="text"/>	,53	<input type="text"/>
13.	<input type="text"/>	,96	<input type="text"/>	14.	<input type="text"/>	,89	<input type="text"/>
15.	<input type="text"/>	,69	<input type="text"/>	16.	<input type="text"/>	,56	<input type="text"/>
17.	<input type="text"/>	,57	<input type="text"/>	18.	<input type="text"/>	,56	<input type="text"/>

qi geera **6:14**

A/ Áhorathágo mbá-sharí tha asandúk'ú

20	30	40	50	60
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30	40		60		80	
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10			40
----	--	--	----

50	60			90
----	----	--	--	----

	20		40		60			
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Bi. Kátathá animíralégú min mbá k'ós'í ma mad'uqí

Másal 22, 24, 25, 23, 26

22	23	24	25	26
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88, 87, 90, 91, 89, 72, 67, 70, 71

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55, 54, 52, 53, 55

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37, 35, 33, 36, 34, 29, 28, 30, 31

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Ci. Kátathá alhisáábá zíí thandulegú mbá thík'ilágú animírá  
dawóléqí thá nínyú

5	6	7	8	9	10	11
---	---	---	---	---	----	----

15					20
----	--	--	--	--	----

0					5
---	--	--	--	--	---

6					11
---	--	--	--	--	----

60					65
----	--	--	--	--	----

73					78
----	--	--	--	--	----

33					38
----	--	--	--	--	----

94						100
----	--	--	--	--	--	-----

67						73
----	--	--	--	--	--	----

49						55
----	--	--	--	--	--	----

39							46
----	--	--	--	--	--	--	----

Di/ Áhorothá Alhisábá nagasi tha mundí Alhisabú álú

1/	22	<input type="text"/>	37	7/	46	<input type="text"/>	42
2/	48	<input type="text"/>	32	8/	97	<input type="text"/>	32
3/	86	<input type="text"/>	87	9/	42	<input type="text"/>	75
4/	70	<input type="text"/>	90	10/	100	<input type="text"/>	10
5/	86	<input type="text"/>	78	11/	66	<input type="text"/>	77
6/	13	<input type="text"/>	30	12/	33	<input type="text"/>	45

- 1/ 10  30  50 60   90
- 2/ 10 20  40   70 80
- 3/ 30 31  33 34   37 38  40
- 4/ 50 51   54    58  60
- 5/
- 70  73  75 76     80

## Aña mbá animíro

Másal 1  $12 = 10 + 2$  mmaané áshara 1 u d'uk'unúñgu 2

Ashan shugo 1 aña asharó u 2 aña d'uk'unúñú

másal 2  $23 = 20 + 3$  mmaaneí áshara 2 u d'uk'unúñú 3

Ashan shugo 2 aña asharo u 3 shiñ ajaana d'uk'unúñu

### qi geera 6:15

Anímíralégú thá búlúéqí áshara kámu u d'uk'unúñ kámu gidímáre

34, asharagu  u d'uk'unúñgú  ñineñ gidine

66, asharagu  u d'uk'unúñgú  ñineñ gidine

84, asharagu  u d'uk'unúñgú  ñineñ gidine

60, asharagu  u d'uk'unúñgú  ñineñ gidine

96, asharagu  u d'uk'unúñgu  ñineñ gidine

3. Fágadathá anímíralégú na aña asharó u mbá d'uk'unúñú

A. 67

B. 38

M. 64

D. 32

E. 69



