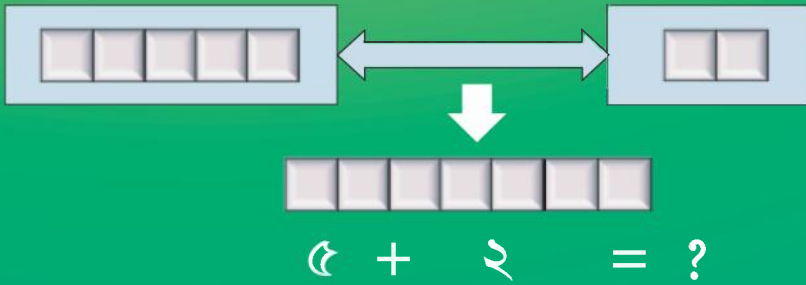


ABACHENGAO CHANNANI

KLAS ONE



প্রাথমিক গণিত
প্রথম শ্রেণি
গারো ভাষা



জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড, বাংলাদেশ

জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড কর্তৃক ২০১৮ শিক্ষাবর্ষ থেকে
গারো ভাষায় প্রথম শ্রেণির পাঠ্যপুস্তকরূপে নির্ধারিত

ABACHENGAO CHANNANI KLAS ONE

পরিমার্জন ও ভাষান্তরে

আলবার্ট মানখিন

সৃজন সাংমা

বাঁধন আরেং

বাসর দাংগ

শিল্প নির্দেশনা

হাশেম খান



জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড, বাংলাদেশ

জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড, বাংলাদেশ

৬৯-৭০, মতিঝিল বাণিজ্যিক এলাকা, ঢাকা - ১০০০

কর্তৃক প্রকাশিত।

[প্রকাশক কর্তৃক সর্বস্বত্ত্ব সংরক্ষিত]

প্রথম প্রকাশ : নভেম্বর, ২০১৭

পুনর্মুদ্রণ : , ২০২১

গ্রাফিক্স

জহিরুল ইসলাম ভূঞা সেতু

ডিজাইন

জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড, বাংলাদেশ

প্রাথমিক ও গণশিক্ষা মন্ত্রণালয়ের অধীন চতুর্থ প্রাথমিক শিক্ষা উন্নয়ন কর্মসূচির আওতায়
গণপ্রজাতন্ত্রী বাংলাদেশ সরকার কর্তৃক বিনামূল্যে বিতরণের জন্য

মুদ্রণে: সাগরিকা প্রিন্টার্স, আন্দরকিল্লা, চট্টগ্রাম।

প্রসঙ্গ কথা

জাতীয় শিক্ষানীতি ২০১০ এ ক্ষুদ্র নৃ-গোষ্ঠীর শিশুদের জন্য তাদের নিজস্ব ভাষায় পাঠ্যপুস্তক প্রণয়নের সুপারিশ রয়েছে। এই সুপারিশ মূলত আমাদের ভাষা আন্দোলনের চেতনারই বহিঃপ্রকাশ; যার সূত্র ধরে এখন বিশ্বব্যাপী ‘আন্তর্জাতিক মাতৃভাষা দিবস’ উদযাপিত হচ্ছে। আন্তর্জাতিক মাতৃভাষা দিবসের মূল প্রতিপাদ্য বিষয় বা দর্শন হলো পৃথিবীর সকল ভাষার সংরক্ষণ ও মর্যাদাকে সমুন্নত রাখা এবং প্রত্যেক ভাষাভাষী মানুষ যেন নিজ নিজ ভাষায় আত্মপ্রকাশ ও জ্ঞান অর্জনের সুযোগ লাভ করে তা নিশ্চিত করা।

কোমলমতি শিক্ষার্থীদের আত্মহীন, কৌতূহলী ও মনোযোগী করার জন্য মাননীয় প্রধানমন্ত্রী শেখ হাসিনার নেতৃত্বে আওয়ামী লীগ সরকারের নির্দেশনায় ২০০৯ সাল থেকে পাঠ্যপুস্তকগুলো চার রঙের, টেকসই ও আকর্ষণীয় করে ছাপানো হচ্ছে। সরকারের অর্থায়নে জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড প্রাক-প্রাথমিক, প্রাথমিক, ইবতেদায়ি, দাখিল, দাখিল ভোকেশনাল, এসএসসি ভোকেশনালসহ মাধ্যমিক স্তর পর্যন্ত সকল পাঠ্যপুস্তক ২০১০ সাল থেকে প্রতি বছর ১লা জানুয়ারি তারিখে সারা দেশে সকল শিক্ষার্থীর নিকট বিনামূল্যে বিতরণ করছে।

গণপ্রজাতন্ত্রী বাংলাদেশ সরকারের সিদ্ধান্ত অনুসারে জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড চাকমা, মারমা, ত্রিপুরা, গারো এবং সাদরি এই পাঁচটি ক্ষুদ্র নৃ-গোষ্ঠীর ভাষায় প্রাক-প্রাথমিক শিক্ষার পাঠ্যপুস্তক প্রণয়ন করেছে যা ২০১৭ সাল থেকে বিদ্যালয়ে প্রবর্তন করা হয়েছে। এরই ধারাবাহিকতায় চতুর্থ প্রাথমিক শিক্ষা উন্নয়ন কর্মসূচির আওতায় উল্লিখিত পাঁচটি ক্ষুদ্র নৃ-গোষ্ঠীর ভাষায় প্রথম শ্রেণির শিশুদের জন্য পাঠ্যপুস্তক প্রণয়ন করে প্রকাশ করা হলো। ক্ষুদ্র নৃ-গোষ্ঠীর শিশুদের চারপাশের পরিচিত পরিবেশ, তাদের ঐতিহ্যবাহী ও বর্ণাঢ্য সংস্কৃতির নানাবিধ চিত্রাকর্ষক উপকরণ ও ছবি সংযোজন করে পাঠ্যপুস্তকসমূহ শিক্ষার্থী বান্ধব, সুন্দর ও আকর্ষণীয় করে তোলা হয়েছে। জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ডের বিশেষজ্ঞগণের তত্ত্বাবধানে সংশ্লিষ্ট ভাষাভাষী শিক্ষক ও বিশেষজ্ঞগণ পাঠ্যপুস্তকগুলো প্রণয়ন করেছেন। তাদের আন্তরিকতা, নিষ্ঠা, শ্রম, মেধা এবং সহযোগিতার ফলে নির্ধারিত সময়ে এই মহৎ কাজটি সুসম্পন্ন হয়েছে। ২০২০ সালের ১লা জানুয়ারি তারিখে পাঠ্যপুস্তকগুলো শিশুদের হাতে পৌঁছে দেওয়া হবে এবং বিদ্যালয়ে প্রবর্তন করা হবে।

উল্লিখিত গারো ক্ষুদ্র নৃ-গোষ্ঠীর শিশুদের জন্য প্রথম শ্রেণির পাঠ্যপুস্তক প্রণয়নের বিভিন্ন পর্যায়ে যারা সহায়তা করেছেন তাঁদের জানাই আন্তরিক কৃতজ্ঞতা ও ধন্যবাদ। সংশ্লিষ্ট ব্যক্তিবর্গের সযত্ন প্রয়াস ও সতর্কতা থাকা সত্ত্বেও পাঠ্যপুস্তকটিতে কিছু ত্রুটি-বিচ্যুতি থেকে যেতে পারে। পাঠ্যপুস্তকটির অধিকতর উন্নয়ন ও সমৃদ্ধি সাধনের জন্য যে কোনো গঠনমূলক ও যুক্তিসঙ্গত পরামর্শ গুরুত্বের সঙ্গে বিবেচিত হবে। যেসব কোমলমতি শিক্ষার্থীদের জন্য পাঠ্যপুস্তকটি রচিত হয়েছে তারা উপকৃত হবে বলে আশা করছি।

প্রফেসর নারায়ণ চন্দ্র সাহা

চেয়ারম্যান

জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড, বাংলাদেশ



CHOLON ARO CHINRANGKO RONGTALATANI

- 1) **Cholon** : la ki•tapo Silga aro Chima minggipa sakgni-ni agangrikako pinikani onga. Uamangni agangrikao chatro aro chatri rangni channaniko bakbak uina man•gen.



Silga



Chima

- 2) Lesson-rango banggija chinrangko jakkale gadangrangko meso kani ong•aha.



Mongsonggipa Sing•ani : la sing•anichi odai-ni mongsong-gipa chanchiako parakani onga.



Kam : Teacher-ni dakchakako rae bi•sarang uigijarangko jegrik-gen aro kakketko chanchigen.



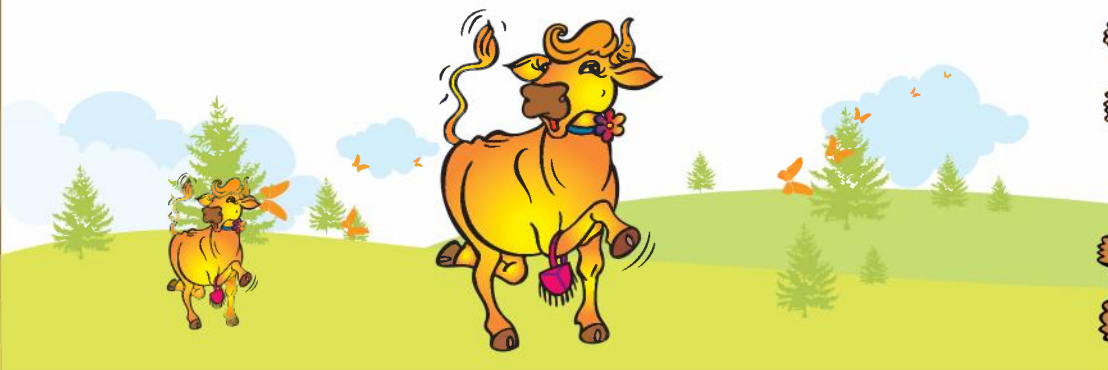
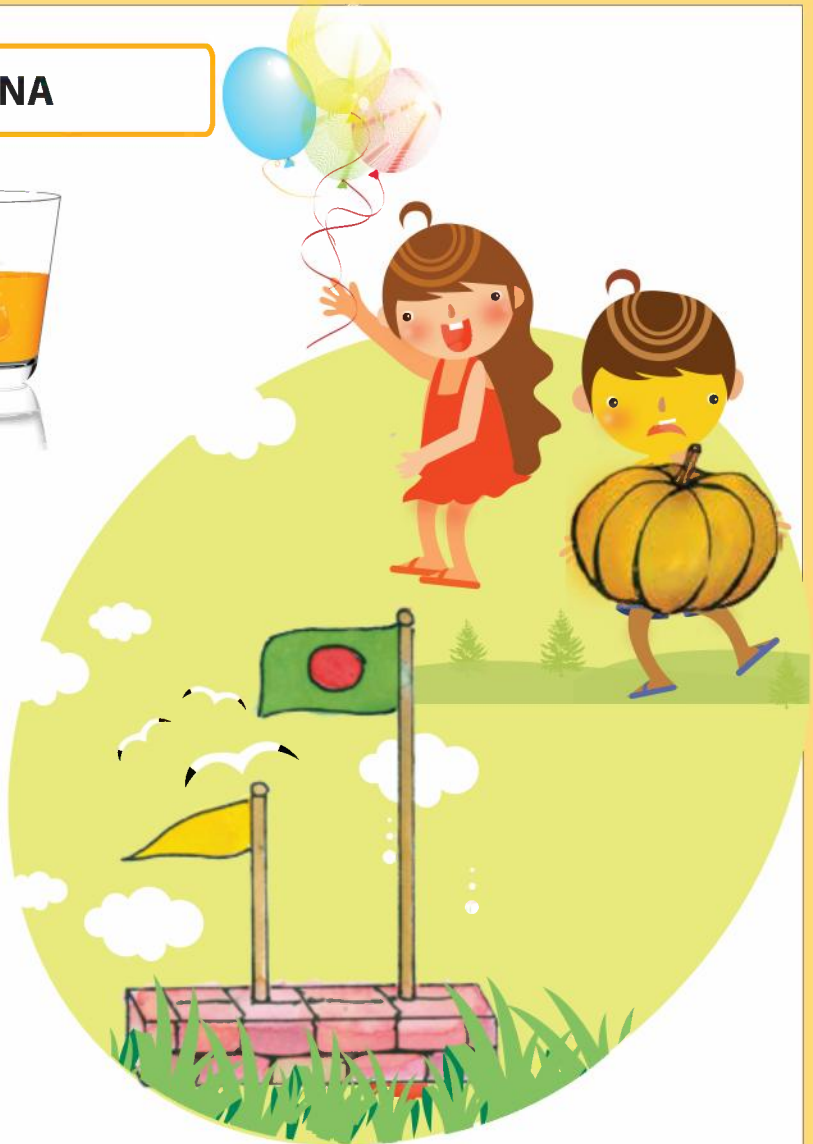
Dakrongani : Bi•sarangan dakna nanggnirangko dakgen. Badita uina manaha uarangko uina manpagen.



KATTA BICHONGRANG

ODAI	KATTA BICHONG	JAK
1	Tosusana	2
2	Channa	6
3	Nombor (1-oni 10)	10
4	Jora dake tariani	20
5	Jiro	21
6	Gadangko uiatani	22
7	Chandapako uiatani (1-oni 10)	26
8	Changalako uiatani (1-oni 10)	39
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10	Chandapa aro changala (0-oni 10)	53
11	Nombor/channani (11-oni 20)	55
12	Chandapa	66
13	Changala	71
14	Nombor/channani (21-oni 50)	75
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1. TOSUSAANA



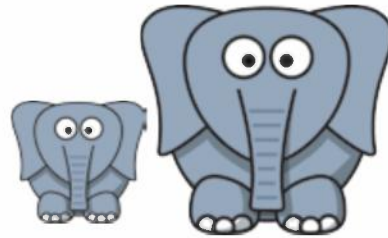


**KAN•GNI SEPANGRIK DAKE DONGGIPA NOKSA
MAI DAKE DINGTANGA ?**





NINGANI JORARANGO DINGTANGGIPA MAI DONGA ?



NOKSAO MAIKO NIKENGA ?



Sapao aro Kising pan-
gchina re•angenga.

Pang-oni bagipa chel•achi,
Sapao ma Kising ?



DINGTANG DAKAKO ROKOM ROKOM DAKE PINIKNA MANA



Bang•a



Kom

Tosusanagita
kattarangko
gisiko rarikna.



Dal•a



Chona



Chona Dal•a



Sepang

Chel•a



Kan•dika



Ro•a

Kosako segipa
kattarangko
jakkale hai
an•ching sepang-
grik donggipa
dingtang dingtang
bosturangko
tosusana.



Jrima

Cheng•a

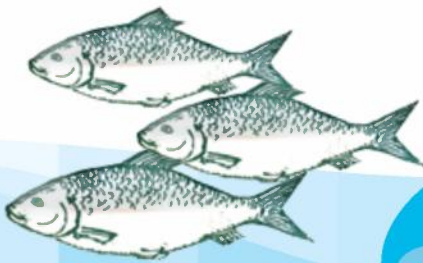
2. CHANNA



larang maini noksa? Badita dake donga ?

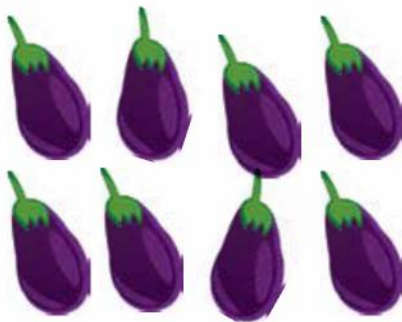
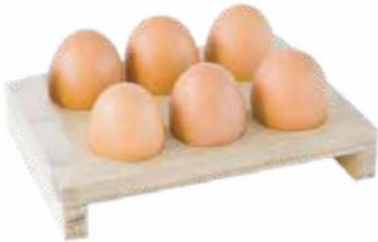


An•ching jatni gesa nisan.



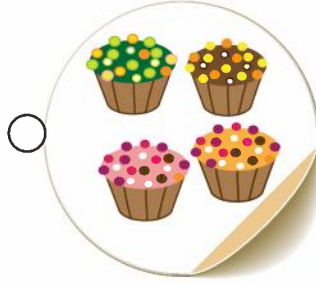


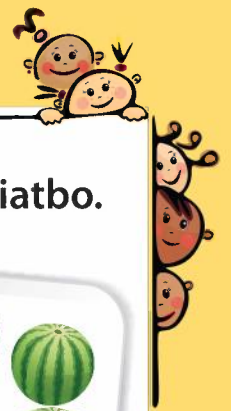
**Iarang maini noksa?
Badita dake donga ?**



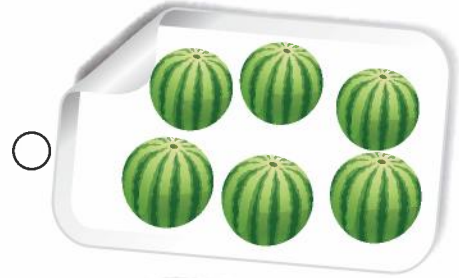


Apsangrik dake bostu dongggipa noksako meliatbo.
Gesako dake mesokaha.





Apsangrik dake bostu donggipa noksako meliatbo.



3. NOMBOR/CHANNANI (1-oni 10)

3.1 Nombor : 1-oni 5-ona



1



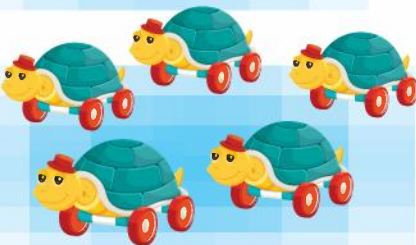
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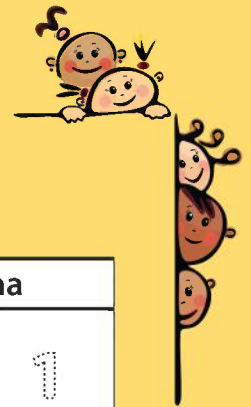
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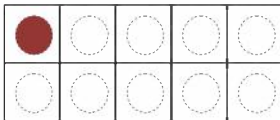
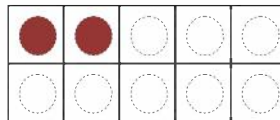
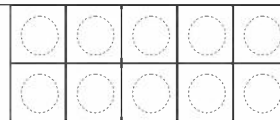
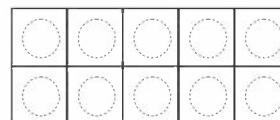
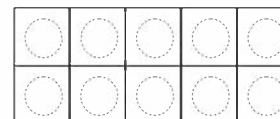


5



CHANNA, RONG ON-A, PORAINA ARO SEA



Channa	Apsangrik dakgipako rong on-a	Poraina	Sena	
		1	1	1
		2	2	2
		3	3	3
		4	4	4
		5	5	5

CHANNA ARO BANGBANG NOKO NOMBOR SENA

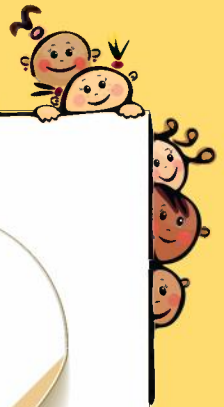


1

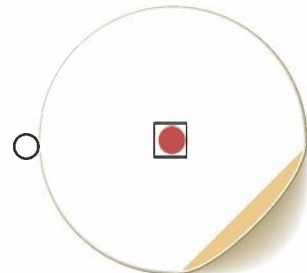
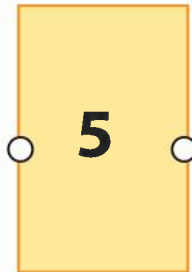
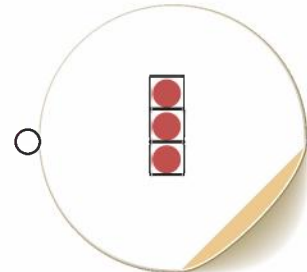
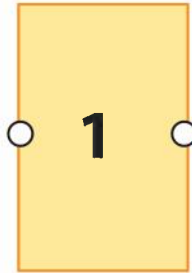
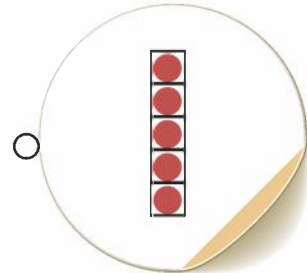
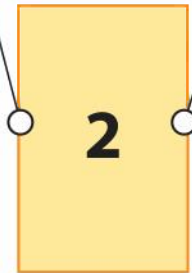
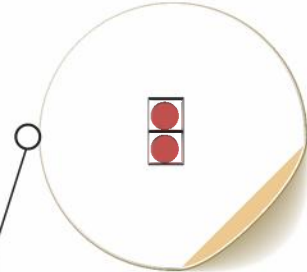
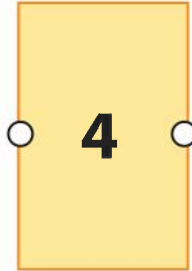
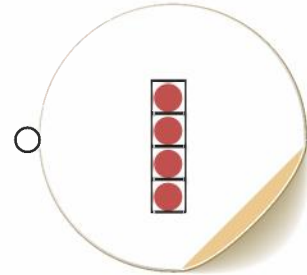
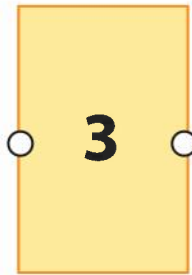


2



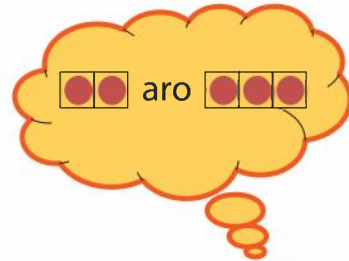
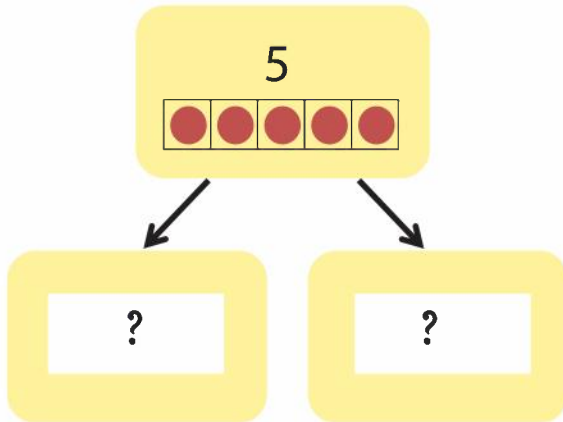


**NOKSAMING NOMBORKO MELIATNA.
GESAKO DAKE MESOKAHA.**

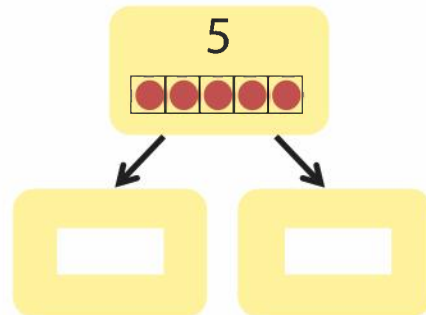
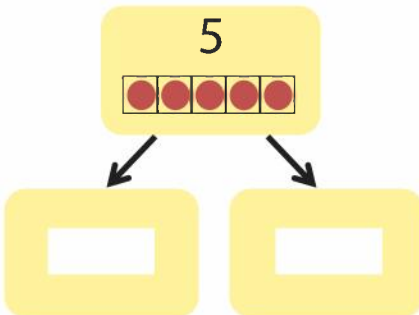
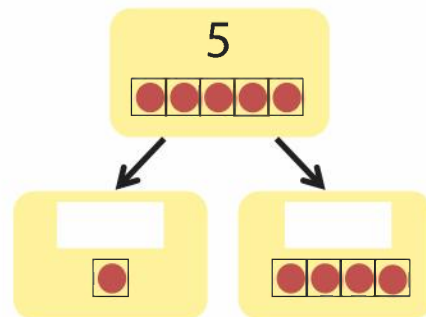
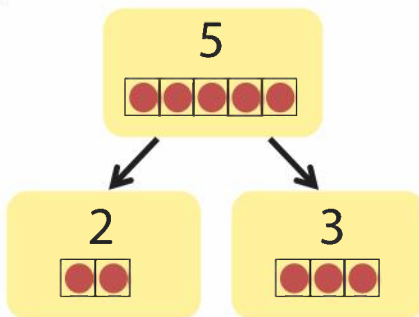




KAN 5 BOSTUKO MAI ROKOM DAKE SAJAINA MANGEN ?



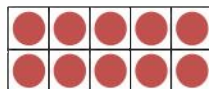
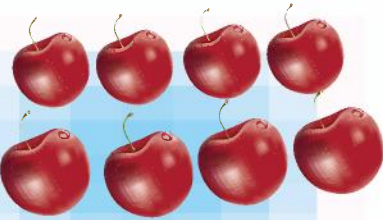
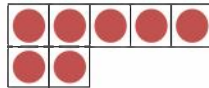
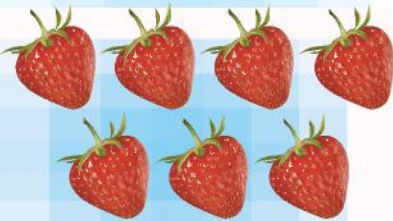
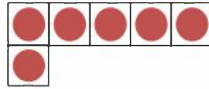
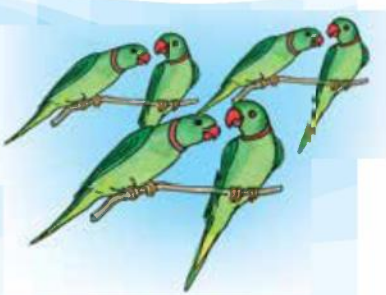
Kan 5 bostuko dingtang dingtang dake sajaina mana.

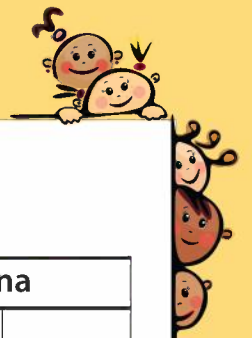


Kan 4 bostuko dingtang dingtang dake sajaibo.



3.2 NOMBOR : 6-ONI 10-ONA





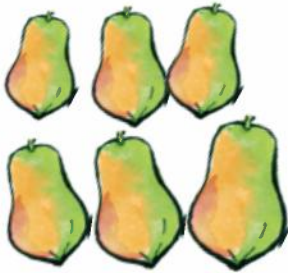
CHANNA, RONG ON-A, PORAIA ARO SEA

Channa	Apsangrik dakgipako rong on-a	Poraina	Sena	
		6	6	6
		7	7	7
		8	8	8
		9	9	9
		10	10	10





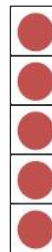
CHANNE BANGBANG GIPA NOKO NOMBOR SENA



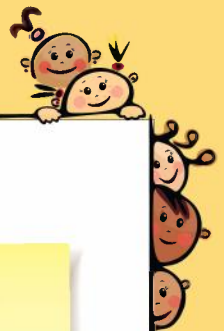
6

8

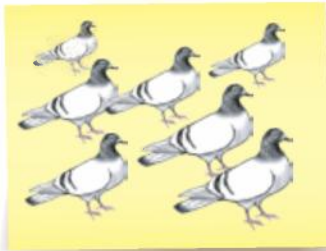




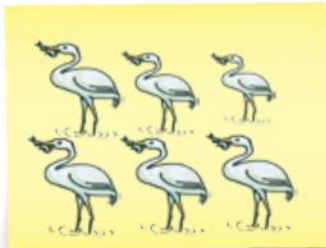
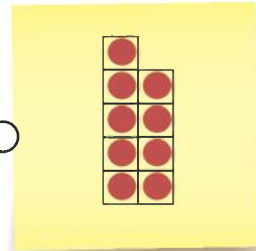




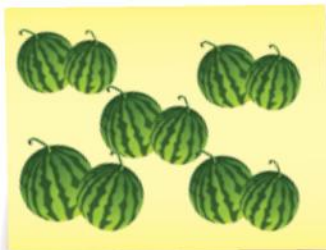
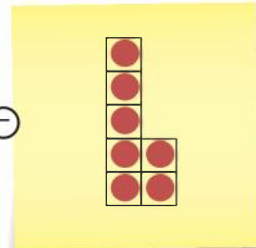
MELIATNA. GESA DAKE MESOKAHA.



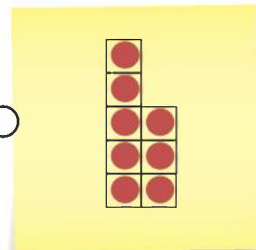
9



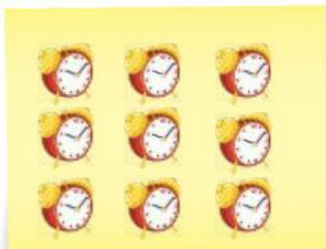
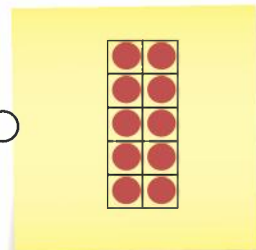
7



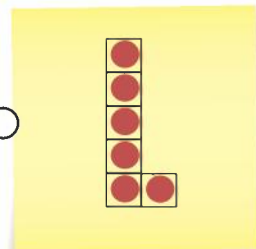
10



6



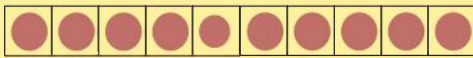
8





KAN 10 BOSTUKO MAI ROKOM DAKE SAJAINA MANA ?

10



?

?

Aro

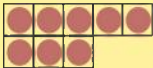


Kan 10 bostuko dingtang dingtang dake sajaina mana.

10



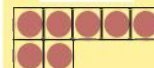
8



2



10



10



10



10



Kan 10 bostuko aroba mai mai rokom dake sajaina mana?



Kan 7 bostuko dingtang dingtang dake sajaibo.
Kan 9 bostuko dingtang dingtang dake sajaibo.

JORA DAKE SAJAINA

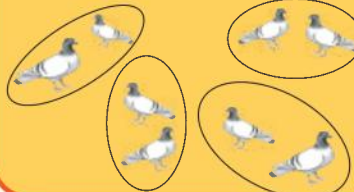


NOKSAKO NIE KAN-GNI GNI DAKE JORA TARIBO



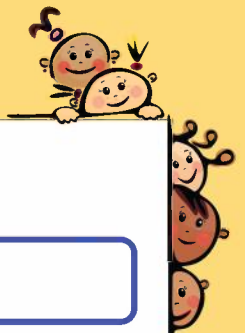
Pakmari
..... Gni, bri,
Dok,

Anga paroarangko mang
2 dake rae jora tarina.



Nangni samtangtanganiko kangni dake bosturangko
rae chanbo.

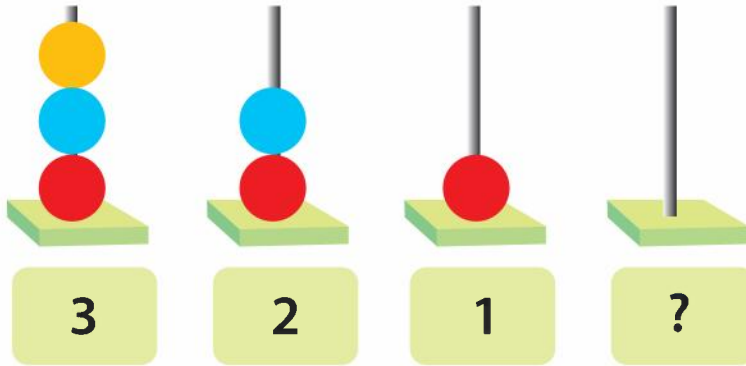




5. JIRO (0)



HAI CHANNA ! IANO BADITA ROBOL DONGA?



Ia nombor-ara badita ?
An-ching iako mai minga ?

An-ching iako jiro agana aro 0 dake sea.



0	0	0		
---	---	---	--	--

JIRO



Badita dake robol donga ?



6. GADANGKO UIANI



Chonaoni dal·ona aro dal·oni chonaona channani

Komiaoni banga	Chonaoni dal·a	Bangaoni komia	Dal·aoni chona
	0		10
	1		9
	2		8
	3		7
	4		6
	5		5
	6		4
	7		3
	8		2
	9		1
	10		0

Chonaoni dal·a nombor :

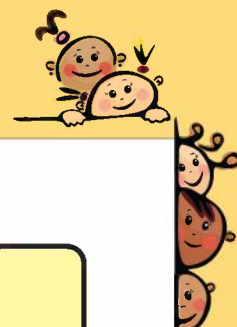
0 1 2 3 4 5 6 7 8 9 10

Dal·aoni chona nombor :

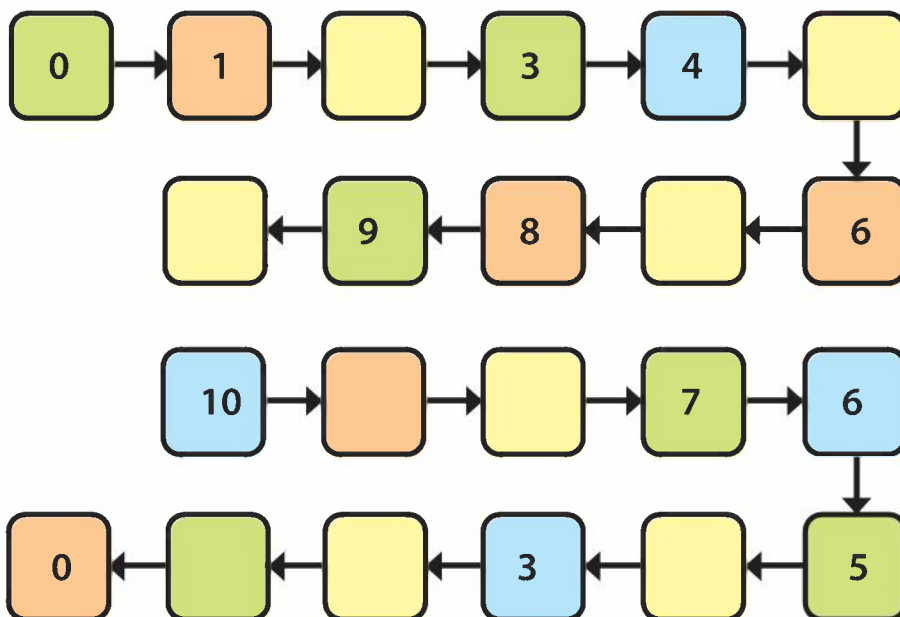
10 9 8 7 6 5 4 3 2 1 0



2022



1. BANGBANG NOKO NOMBORKO SENA



2. Jangchini nombor badita ?

7		9
---	--	---

0		2
---	--	---

6		8
---	--	---



3. Jamanoni nombor badita ?

4	
---	--

9	
---	--

2	
---	--



4. Skanggipa nombor badita ?

	8
--	---

	4
--	---

	9
--	---





MAI DAKGIPA GADANGCHI NOMBORRANGKO SAJAIA UKO AGANA

2, 4, 6, 7, 9

Chonaoni dal·a

8, 6, 5, 4, 1

3, 5, 7, 8, 9



5. Nomborrangko gadangnikri sajaina.

Nombor	Chonaoni dal·a	Dal·aoni chona
1, 5, 2, 6, 8	1, 2, 5, 6, 8	8, 6, 5, 2, 1
1. 4, 2, 6, 9, 8		
2. 6, 3, 1, 7, 5		
3. 5, 3, 6, 4, 9		
4. 7, 1, 4, 2, 3		
5. 2, 0, 7, 3, 10		
6. 4, 10, 1, 0, 8		



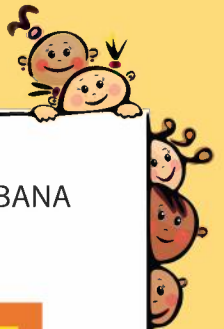
6. 0-ni 10-ona nomborrangoniko kan 5 dake rae brinbawe dake sebo. Ripengko chonaoni dal·a aro dal·aoni chona dake tarina aganbo.



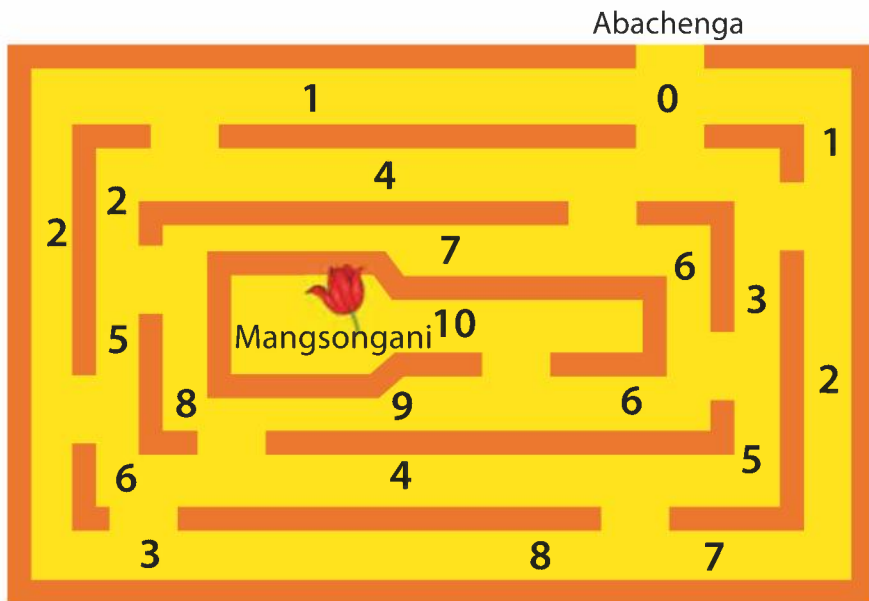
2, 10, 3, 5 aro 9-ko chonaoni dal·aona sajaio

..... 2, 3,
5, 9, 10



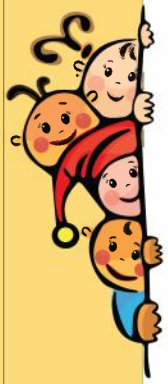
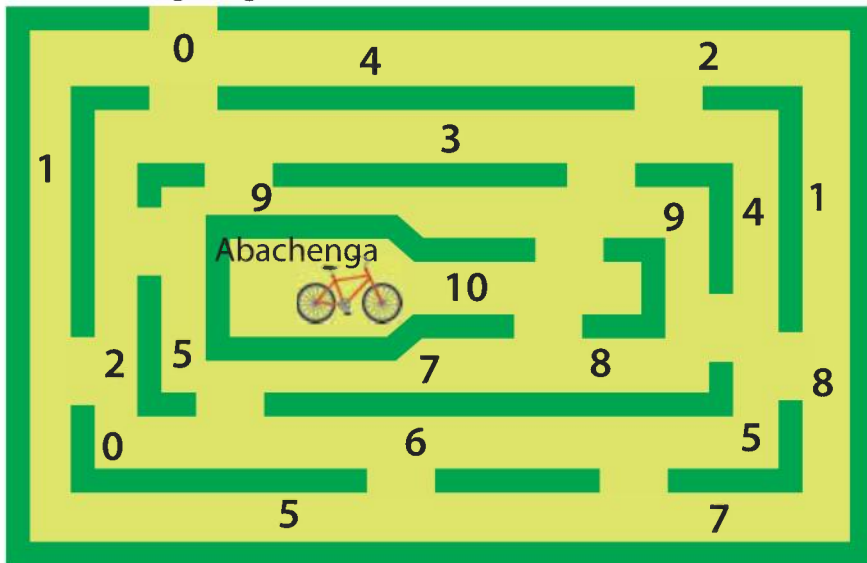


7. 0-NI ABACHENGE CHONAONI DAL-AONA BIBAL-KO DE-E RA-BANA



8. 10-NI ABACHENGE DAL-AONI CHONAONA SAIKEL-KO RA-E BAHIRACHI RA-BANA

Mangsongani



7. CHANDAPA-KO UIATANI (1-ONI 10)

7.1 Chandapa

Wari aro Chima Shohid Minar-o bibal on-a re-baha.



Sakgni onge uamang badita bibal rabaha ?



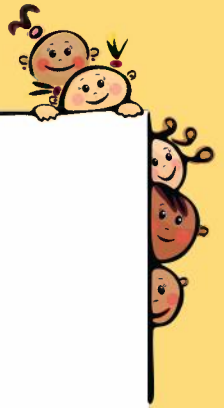
Wari kan-3 bibal rabaha. Chima kan-4 bibal rabaha.



Hai bibalrangko lain-saon sajaina.



Gimmikchi badita bibal ongaha uko channa.



Warini bibal



Chimani bibal



Kan-3 aro kan-4 apsan donode kan-7 ong-a.
Channani niamo an·ching uako indake sea :

$$3 + 4 = 7$$

Gittam chandapa bri apsan dake sni



Apsan dakode badita onngen ?



aro



Apsan dake

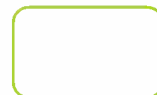


3

+

2

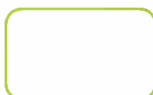
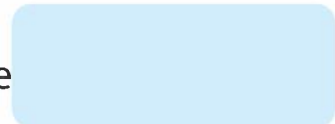
=



aro



Apsan dake



+



=



7.2 CHANDAPA

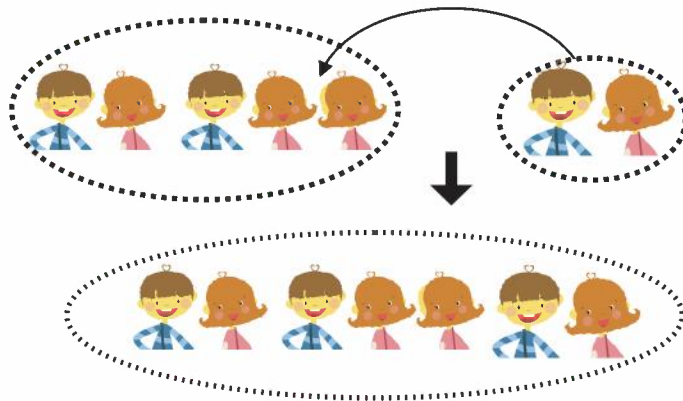
Park-o sakbonga bi-sa kal-enga.

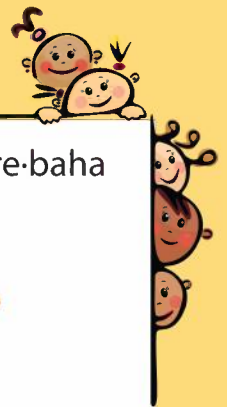


Jamanchi aroba sak gni bi-sa re-baha.
Dao-ara Park-o badita bi-sa ong-aha ?



Skanggipao sak 5 bi-sa dong-achim.
Sak gni bi-sa re-baha.





Skanggipao sak 5 bi-sa dong-achim

Jamanchi sak 2 bi-sa re-baha



5 baksa 2 chandapode 7 onga.

$$5 + 2 = 7$$

Bonga chandapa gni apsan sni



Apsan dakode badita ong-gen ?



5

+

3

=



+



=





1. Nomborchi mesokna aro chandapna.

(1)  aro  apsan dake

(2)  aro  apsan dake

(3)  ming  apsan dakna

(4)  ming  apsan dakna



2. Chandapna

(1) $2 + 1 =$

(2) $3 + 2 =$

(3) $2 + 2 =$

(4) $5 + 1 =$

(5) $6 + 3 =$

(6) $2 + 5 =$

(7) $1 + 7 =$

(8) $8 + 2 =$

(9) $9 + 1 =$

(10) $3 + 7 =$



7.3 JIROKO CHANDAPANI



Apsan dakode badita robol ong-gen ?



$$3 + \square = \square$$



$$3 + \square = \square$$



$$3 + \square = \square$$



Wari aro Chima-ni komilarangko apsan dakode badita ong-gen. Nomborchi sena.



$$\square + \square = \square$$



Chandapna :

(1) $4 + 0 =$

(2) $8 + 0 =$

(3) $10 + 0 =$

(4) $6 + 0 =$

(5) $0 + 5 =$

(6) $0 + 7 =$

(7) $0 + 3 =$

(8) $0 + 9 =$

(9) $0 + 0 =$

7.4 ROKOM ROKOM CHANDAPANI



Bagipa bagipa nomborko chandapo 7 onga ?

Banggipa noko bagipa nombor ong·gen ?

$$1 + \boxed{6} = 7$$

$$4 + \boxed{} = 7$$

$$0 + \boxed{} = 7$$

$$5 + \boxed{} = 7$$

Aroba bagipa bagipa nomborrangko chandapo apsan dake gimiko 7 ong·gen

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

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

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

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

Name nina



Anga manaha

$$1 + 6 = 7$$

$$6 + 1 = 7$$

Kangni chandapgipao gesa nomborkon jakkalani onga. Dingtang dingtang chandapaoba ua apsan niamko nikna manpama ?



CHANDAPANI NOMBORKO BIAP DINGTANGONA RANGOBA APSAN ONG·AKON MANGEN.



1. $\boxed{}$ bangbang noko bagipa nombor ong·gen ?

3 + $\boxed{}$ baksa chandapo aro 6 + 3 chandapoba apsan ong·aigen.

$\boxed{}$ + 2 baksa chandapo aro 2 + 8 chandapoba apsan ong·aigen.





NINA MANGEN MA !



KAL·GIPA BAKRAO SAK 2 BI·SA KAL·ENGACHIM. JAMANCHI DAO SAK 1 BI·SA REBAHA. UNI JAMANCHI AROBA SAK 4 BI·SA REBAHA. DAO BADITA BI·SA KAL·ENGA ?

Na·a mai dake hisab ka·gen ?

$$2 + 1 + 4 = \square$$



Jakasoni jakraona
chandapatna.

$$\begin{array}{c} 2 + 1 + 4 = \square \\ \square \\ \square \end{array}$$

2. Chandapna

(1) $3 + 2 + 1 =$

(2) $4 + 2 + 4 =$

(3) $1 + 1 + 1 =$

(4) $2 + 2 + 2 =$

(5) $3 + 3 + 3 =$

(6) $1 + 2 + 3 =$

(7) $2 + 5 + 3 =$

(8) $1 + 0 + 8 =$

(9) $0 + 7 + 0 =$

(10) $1 + 1 + 1 =$

(11) $2 + 2 + 2 + 2 =$

(12) $1 + 2 + 3 + 4 =$

3. To·seng kingsa ki·tap poraienga. Ua mija minio jak 3·ona poraiaha. Mijalo jak 2 aro da·alo jak 4·ona poraiaha. Ua gimik·chi badita jak·ko poraiaha ?

4. Torani kansa biskut dongachim. Pagipa una kan 7 biskut on·aha. Magipa aroba kan 2 biskut on·aha. Da·ao uni badita biskut ongaha ?





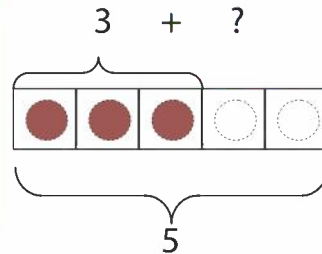
DONUGIPA NOMBORKO SANDINA.

$$3 + \text{cloud} = 5$$

Kansa nombor mikkao dongnue donga !



Rong on-agita kan 5 gul bostu donga.
An-ching kan 3 gul bostuo rong on-aha.
Da-ao baditao rong on-a mankugen ?



5. Bangbanggipao bagipa nombor onngen ?

(1) $1 + \square = 4$



(2) $\square + 2 = 5$



(3) $4 + \square = 6$



(4) $\square + 3 = 8$

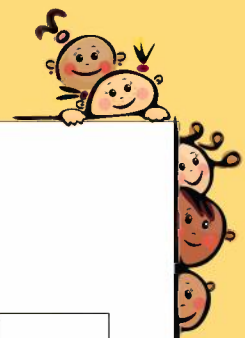


(5) $3 + \square = 10$



(6) $\square + 4 = 10$





7.5 AN·TANG DAKNA

1. Apsan dake apsan dakgiparanko meliatna.

$3 + 2$	7	$2 + 7$	0
$5 + 4$	5	$0 + 10$	5
$1 + 9$	8	$2 + 2$	4
$6 + 0$	9	$1 + 4$	9
$4 + 3$	10	$4 + 4$	10
$0 + 8$	6	$0 + 0$	8

Note: A line connects the result '5' in the second row, second column to the equation '5 + 4' in the first row, first column.

2. Je kan gnini chandapani gimik apsan uko meliatna.

$1 + 8$	$6 + 2$	$3 + 4$	$2 + 3$	$5 + 1$
$3 + 2$	$2 + 6$	$8 + 1$	$1 + 5$	$4 + 3$

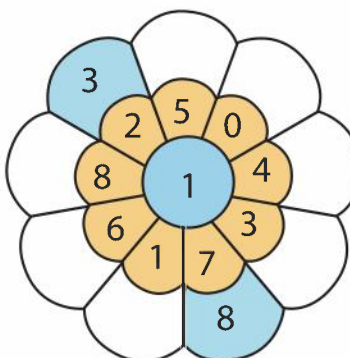
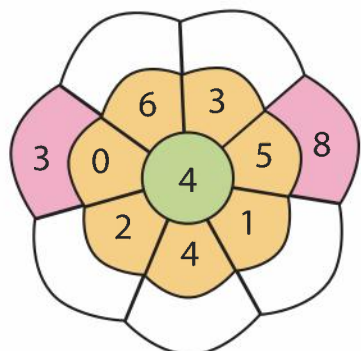
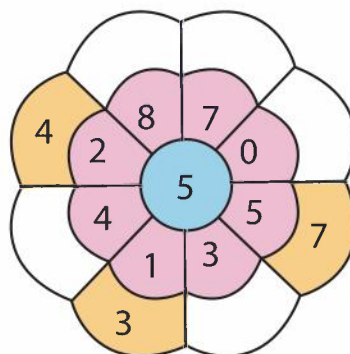
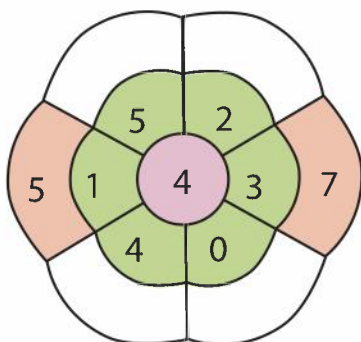
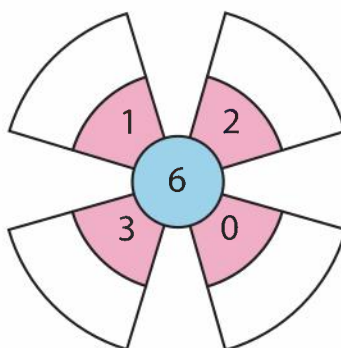
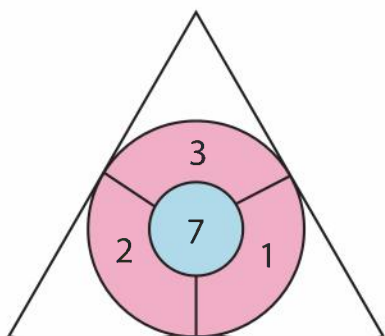
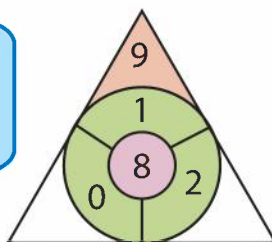
Note: A line connects the result '8' in the second row, third column to the equation '1 + 8' in the first row, first column.



3. CHANDAPNA ARO BANGBANG NOKKO GAPATNA.



$$8 + 1 = 9$$



4. Rumini ge 4 belun donga. Una aroba ge 2 belun on-taia. Da-ao uni badita belun ongaha ?



5. Sumon ge 3 bibalo gitchak aroba ge 5 bibalo rimita rongko onaha. Apsan dake gimiko badita bibalo rong onmanaha ?

6. Kan 2 kardni nomborko apsan dake gimiko badita onngen ?



7. Bario sak 4 bi-sa dongachim. Jamanchi daoba sak 5 re-baha. Bario da-ao badita bi-sa ongaha ?

8. Reksrio rong-3 te-rik dongachim. Pagipa da-oba rong-7 te-rik on-dapaha. Da-o uni badita ongaha ?

9. 2 + 3-ko chandapna gesa golpo agana. Golpoara ongjok –

Angni golpo ongjok –
 Angni king-2 ki-tap donga. Pagipa aroba
 king-3 brie on-dapataha. Da-o angni
 badita ki-tap ongaha ?
 Da-o nangni golpoko aganbo -





10-KO SANDIE NINA

Kan gni ba kan gittam nombor-ko chandapa gimik 10 onggipako sandina aro saldawilna. Na-a badita sandie manaha ?

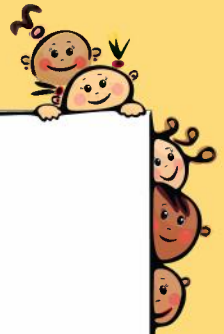


Anga manaha
 $6 + 4 = 10$

Anga manaha
 $3 + 7 = 10$



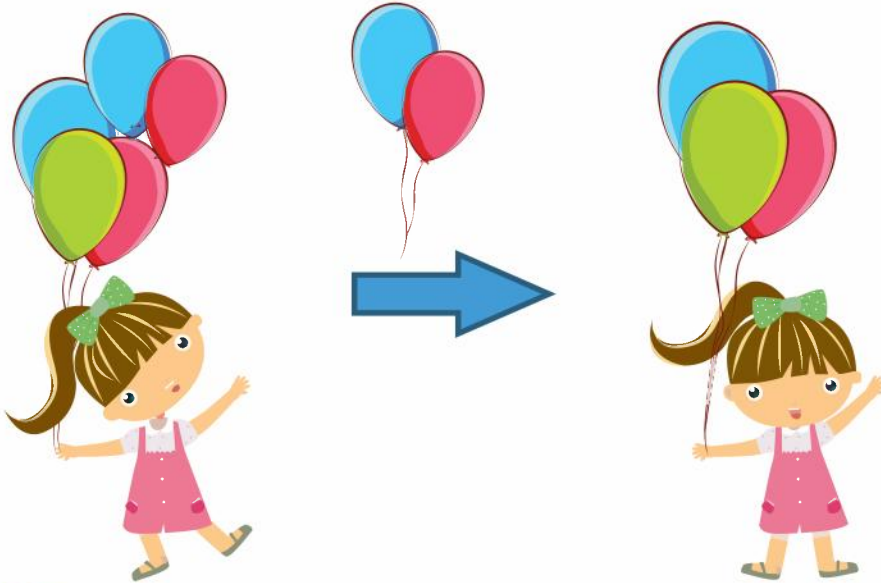
4	5	1	4	7	2	8	3	8	2
3	2	9	6	8	4	5	6	7	5
7	6	7	5	1	6	9	1	3	5
6	5	3	8	3	7	5	4	8	1
3	7	4	9	6	2	8	8	3	5
9	2	6	3	4	2	5	6	4	7
1	4	5	5	3	1	4	3	8	2
2	9	3	9	1	4	7	1	8	7
3	7	9	7	5	3	5	8	3	9
7	4	6	8	2	3	7	1	4	2



8. CHANGALAKO UIATANI (1-ONI 10)

8.1 Changala

Ge-5 belun dongachim. Ge gni belun bildoangaha.

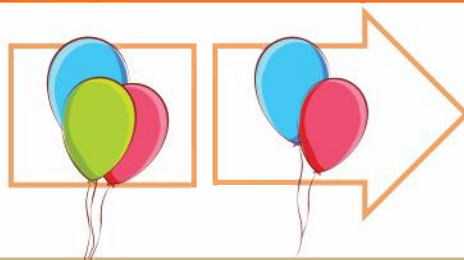


Badita belun dong-rikaha



Chanchia gitade iakode chandapa gita
nikmanja.

Hoe, belun bildoangjokode arosa komiani
ongaba





Kan 5-niko kan 2 gipinchi rangode kan 3 donga.

$$5 - 2 = 3$$

(Bongaoni gni changale) donga gittam



Ningao rong 7 robol donga. Da-o unoniko badita rango badita donga uko nigen.



Rong 2 robolko gipinchi rang-ode badita donggen ?



$$7 - 2 = \boxed{}$$

Rong 6 robolko gipinchi rang-ode badita donggen ?



$$\boxed{} - \boxed{} = \boxed{}$$



1. Aroba mai rokom dake robolko gipinona donuna mana ?

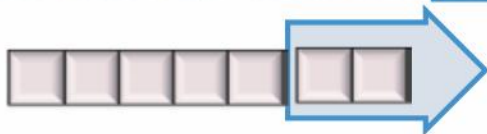




2. NOKSAKO NIE NOMBORCHI PARAKNA.



$$5 - 3 = 2$$



.....



.....



3. CHANGALNA

(1) $3 - 1 =$

(2) $4 - 2 =$

(3) $5 - 1 =$

(4) $6 - 5 =$

(5) $3 - 2 =$

(6) $8 - 4 =$

(7) $7 - 3 =$

(8) $9 - 7 =$

(9) $10 - 9 =$

(10) $4 - 3 =$

(11) $10 - 2 =$

(12) $8 - 2 =$

(13) $5 - 2 =$

(14) $6 - 3 =$

(15) $10 - 5 =$

8.2 NOMBORKO TOSUSAANI



Noksao bi-sa banga ma tupi banga ?



Na-a maina bi-sa aro tupirangko chanjaenga ?

Chanchienga, tosusaani aroba gipin chol dongama ?



Bi-sa aro tupirangko lain dake sajaina. Gesa gesa dake dak sale meliatna. Tupina bate bi-sarang basik banga ?





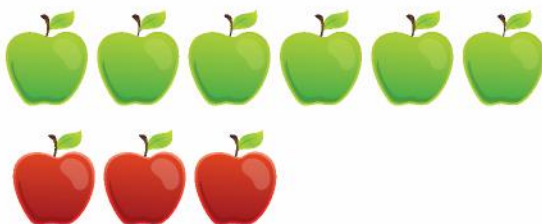
Bata

Channani kattachi sena :

$$7 - 5 = 2$$



1. Tangsek E-pil gitchak E-pilna basik bata ?



Channani kattachi sena :

$$6 - 3 = \boxed{}$$



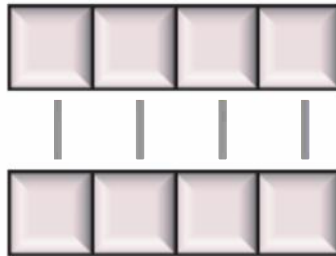
2. Rangtal Kekna basik bata ?



Channani kattachi sena :



KI-TAP ARO PENSILNI CHANNANIO DINGTANGA MAI ?



Bata

Channani kattachi sena :

Ki-tapna Pensil bata.



3. Mea bi-sa aro mechik bi-sarangni nomborarang basik dingtanga ?

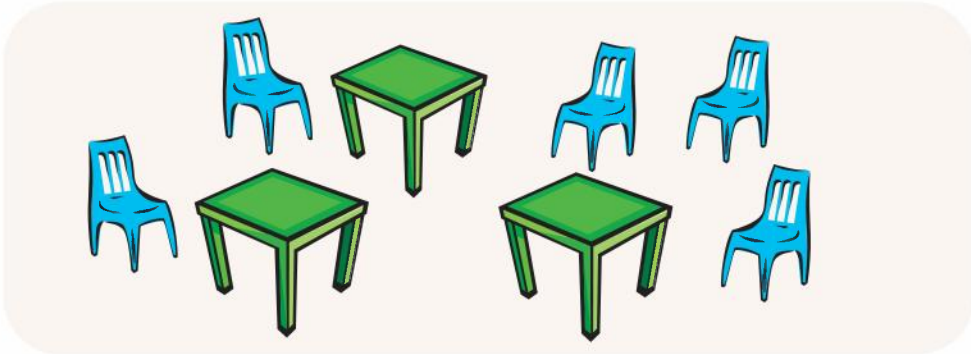


Mechik bi-s mea bi-sana bata.





4. Chair aro tebilni gisepo channanio bagipa bangbata ?
Basik bata ?



5. Topuni ge 9 belun dongachim. Ua Tolengna ge 5 belun on-aha. Topu aro Tolengni belunrango basik dingtang ongaha ?



Topuni ge 9 belun dongachim.



Tolengna ge 5 belun on-ataha. Topuni basik dongrikaha ? Topu aro Tolengni belun channanio basik dingtanga uko rongkatbo.



6. $6 - 2$ na gesa golpo taribo.



Angni golpo –
Angni kan 6 pensil donga aro Minani kan 2 pensil donga. Chingni gisepo sawani pensil basik banga?
Da-o nangni golpoko aganbo

8.3 0 (JIRO)-NI CHANGALANI

Gesa rangtalo rong 4 E-pil donga. Silga aro Chima ia E-pilrangko cha-gen.



Uamang rong 4 E-pilko cha-e galode basik rongsa donggen?

Uamang rong 3 E-pilko cha-e galode basik.....



$$4 - 3 = 1$$

Uamang rong 4 E-pilko cha-e galode basik.....



$$4 - 4 =$$



Uamang rong 0 E-pilko cha-e galode basik rongsa donggen?

Uamang rong 1 E-pilko cha-e galode basik.....



$$4 - 1 = 3$$

Uamang rong 0 E-pilko cha-e galode basik.....



$$4 - 0 =$$



Changalna

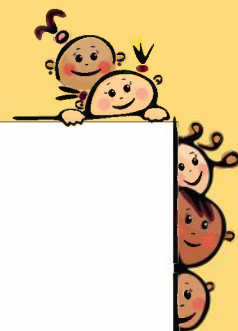
$$5 - 5$$

$$9 - 9$$

$$6 - 0$$

$$8 - 0$$

$$0 - 0$$



8.4 CHANGALANI ROKOMRANG

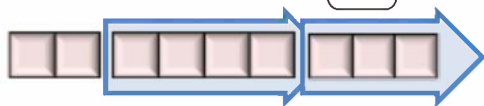
NINA, MANA MA !



Gesa pango mang 9 do-o dongachim. Mang 3 bildoangaha. Jamanchi mang 4-ba bilangaha. Da-o pango basik do-o dongrikaha ?

Mai dake na-a hisab ka-gen ?

$$9 - 3 - 4 = \square$$



Jakasoni jakraona changala.

$$\begin{array}{r} 9 - 3 - 4 = \square \\ \square \\ \square \end{array}$$



1. Ali-ni king 10 leka dongachim. King 4 lekako uni nogipana on-aha. King 5-ko uni jonggipana on-aha. Uni jako da-o basik leka donga ?

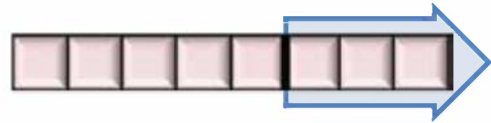


2. Belini kan 10 biskut dongachim. Ua kan 2 biskut cha-e galaha. Nogipana kan 4 on-aha. Uni jako da-o basik biskut donga ?



BANGBANGO CHANNANIKO SENA.

$$8 - \square = 8$$



$$\square - 2 = 4$$



3. Bangbango channaniko dona.

$$(1) 4 - \square = 1$$



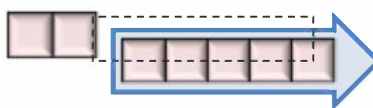
$$(2) 6 - \square = 4$$



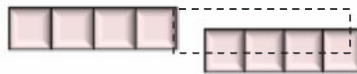
$$(3) 10 - \square = 3$$



$$(4) \square - 5 = 2$$

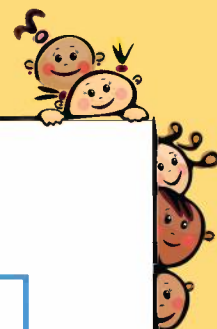


$$(5) \square - 4 = 4$$



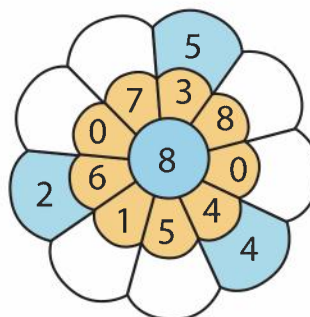
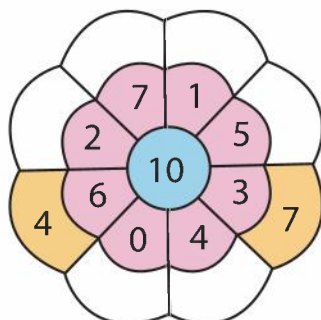
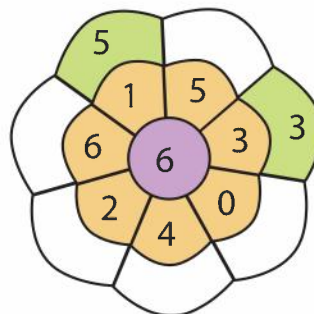
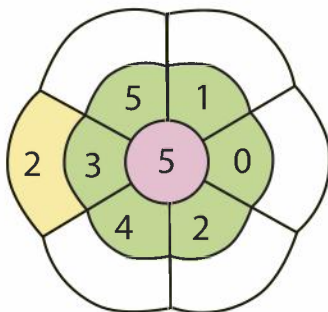
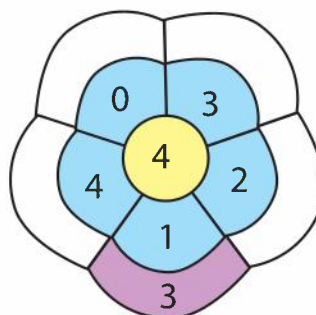
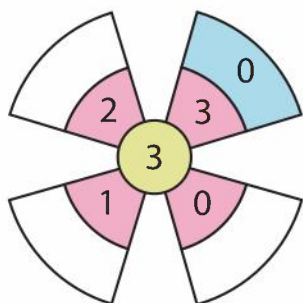
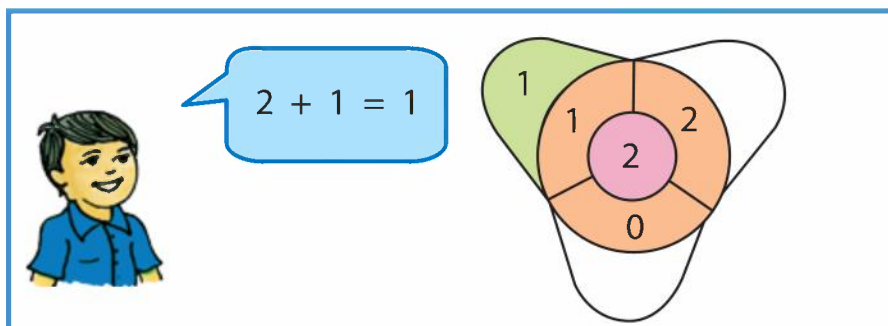
$$(6) \square - 2 = 8$$





8.5 AN·TANG DAKNA

1. Changalna aro Bangbangko gapatna.



2. Lijani kan 8 kal-ani bostu dongachim. Nogipana kan 3 on-ataha. Da-o uni basik donga ?

3. Gesa pango mang 6 do-o dongachim. Uoni mang 2 bildoangaha. Da-o basik dongaha ?

4. Gesa klas room-o sak 8 chatro-chatri donga. Uni gisepo sak 3-an chatri. Klas room-o basik chatro donga ?

5. Bangabang noko gapatna .

(1) $5 - \square = 2$



(2) $7 - \square = 7$



(3) $\square - 4 = 2$



(4) $\square - 5 = 4$

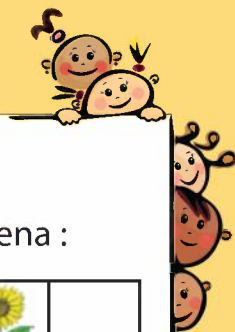


6. $5 - 2$ galako ra-e golpo tarina.



Angni golpoara -
Chibima gat-o kan 5 ring ka-e dona. Uoni
kan 2 wat-e reangaha. Basik dongaha ?
Da-o nangni golpoko aganbo ...





9. AN·TANG DAKNA

1. Noksako channa aro bangbang biapo channanirangko sena :

2. Janchini nomborko sena.

3		5
---	--	---

6		8
---	--	---

8		10
---	--	----

3. Jamanoni nomborko sena.

2	
---	--

5	
---	--

6	
---	--

9	
---	--

4. Skanggipa nomborko sena.

	4
--	---

	7
--	---

	3
--	---

	10
--	----

5. Nomborrangko chonaoni dal·aona sena.

8, 6, 3, 5		1, 4, 9, 2	
------------	--	------------	--

6. Nomborrangko dal·aoni chonaona sena.

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



7. Chandapako dakna

(1) $2 + 4 =$ (2) $3 + 0 =$ (3) $4 + 1 =$ (4) $0 + 5 =$

(5) $6 + 2 =$ (6) $3 + 7 =$ (7) $5 + 4 =$ (8) $1 + 9 =$

(9) $4 + 4 =$ (10) $5 + 5 =$ (11) $2 + 8 =$ (12) $0 + 0 =$

8. CHANGALAKO DAKNA

(1) $4 - 1 =$ (2) $3 - 2 =$ (3) $2 - 1 =$ (4) $6 - 3 =$

(5) $7 - 4 =$ (6) $3 - 0 =$ (7) $9 - 7 =$ (8) $8 - 2 =$

(9) $9 - 7 =$ (10) $0 - 0 =$ (11) $10 - 5 =$ (12) $10 - 8 =$

9. Ronini golponi ki-tap donga kan 5. Rumini golponi ki-tap donga kan 3. Apsan dake sak gnini basic gesa golponi ki-tap donga?

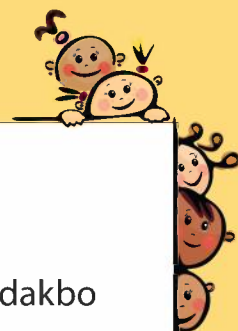
10. Binini kan 8 pensil dongachim. Pagipa aroba kan 2 pensil on-pila. Binini da-o basik gesa pensil onga?

11. 6 baksa basik chandapode 9 ong-gen? $6 + \square = 9$

12. Molini Joba pango kan 7 bibal bal-a. Ua jonggipana kan 3 bibal on-aha. Pango basik bibal Donga ?

13. Tomas mang 5 natok rim-aha. Kobita mang 7 natok rim-aha. Sa basik bange rim-aha ?

14. 8-oni basik changalode 4 ong-gen ? $8 - \square = 4$



10. CHANDAPA ARO CHANGALA (0-NI 10)



Ge gittam kardko jakkale chandapa aro changalako dakbo



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

$$\boxed{6} + \boxed{} = \boxed{}$$

$$\boxed{8} - \boxed{6} = \boxed{}$$

$$\boxed{} - \boxed{2} = \boxed{6}$$



Gesa nomborchin an-ching dingtang dingtang dake chandapa aro changalna mana.



1. Ge gittam kardko jakkale chandapa aro changalako dakna.



$$\boxed{} + \boxed{2} = \boxed{}$$

$$\boxed{} + \boxed{} = \boxed{}$$

$$\boxed{} - \boxed{} = \boxed{2}$$

$$\boxed{} - \boxed{} = \boxed{3}$$



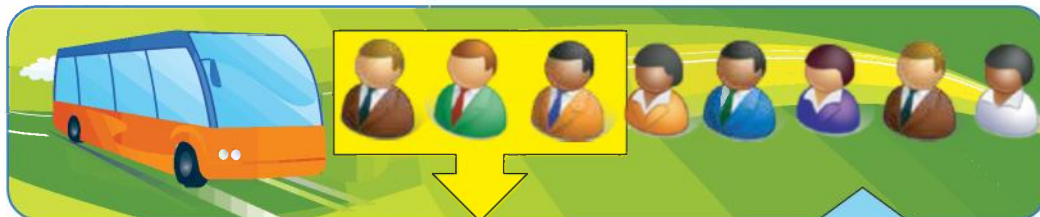
2. Ge gittam kardko jakkale chandapa aro changalako dakna.



NINA, ANGABA MANA MA !



Sak 8 mande rae bas re-angenga. Bas stop ka-aon sak 3 ong-onanga aroba sak 4 gado-taia. Da-o Bas-o basik mande dongaha ?



Sak 3
ong-onanga.

Sak 4 gadot-
aiaha.

$$8 - 3 + \quad = \square$$

(1) $\square$

(2) $\square$

An-ching jaka-
sioni jakraona
hisab ka-a.



3. Riani ge 7 puttula donga. Uoniko ua jonggipana ge 5 onataha. Pagipa una daobatai ge 3 brie onaha. Da-o uni basik ong-aha ?

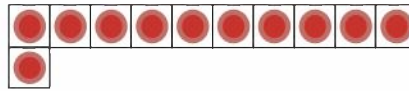


4. Rejani kan 2 choklet donga. Magipa una aroba kan 5 choklet ondapata. Unoniko ua kan 5-ko cha-e galaha. Da-o uni basik choklet donggen ?

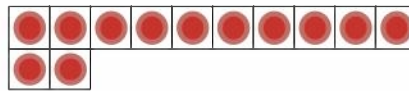


11. NOMBOR (11-ONI 20)

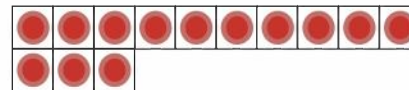
11.1 Nombor : 11-oni 20-ona



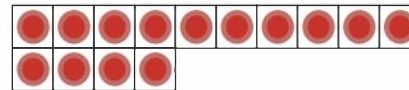
11



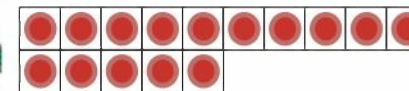
12



13



14



15



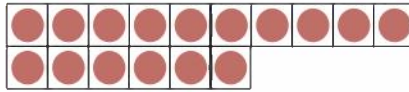
Klas room aro skul noko bangbea bosturang donga. Basik dake donga uako chanbo. Nangni noko je bosturangan kan 15-ni gisepo donga uarangko channe nibo.



Angni noko kan
13 ki-tap donga.

Angni klaso sak
15 chatri donga.





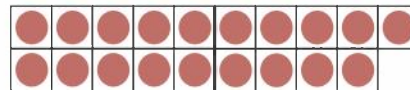
11



12



13



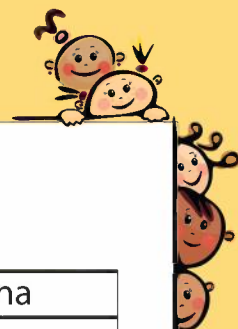
14



15



Klas room aro skul noko bangbea bosturang donga. Basik dake donga uako chanbo. Nangni noko je bosturangan kan 20-ni gisepo donga uarangko channe nibo.



CHANNA, RONG ON-A, PORAI ARO SEA

Channa	Apsangrik dakgipako rong on-a	Poraina	Sena	
		11	11	11
		12	12	12
		13	13	13
		14	14	14
		15	15	15



Sedapanguani 3-0 **NOMBOR CHANNE KAL-A**-ko kal-na.





CHANNA, RONG ON-A, PORAI ARO SEA

Channa	Apsangrik dakgipako rong on-a	Poraina	Sena	
		16	16	16
		17	17	17
		18	18	18
		19	19	19
		20	20	20



Sedapanguani 3-0 **NOMBOR CHANNE KAL-A**-ko kal-na.





KATTACHI SENA

Channa	Poraina		Kattachi sena	
	1	Sa	Sa	Sa
	2	Gni	Gni	Gni
	3	Gittam	Gittam	Gittam
	4	Bri	Bri	Bri
	5	Bonga	Bonga	Bonga



KATTACHI SENA

Channa	Poraina		Kattachi sena	
	6	Dok	Dok	Dok
	7	Sni	Sni	Sni
	8	Chet	Chet	Chet
	9	Sku	Sku	Sku
	10	Chiking	Chiking	Chiking





KATTACHI SENA

Channa	Poraina		Kattachi sena	
	11	Chi sa	Chi sa	Chi sa
	12	Chi gni	Chi gni	Chi gni
	13	Chi gittam	Chi gittam	Chi gittam
	14	Chi bri	Chi bri	Chi bri
	15	Chi bonga	Chi bonga	Chi bonga



KATTACHI SENA

Channa		Poraina	Kattachi sena	
	16	Chi dok	Chi dok	Chi dok
	17	Chi sni	Chi sni	Chi sni
	18	Chi chet	Chi chet	Chi chet
	19	Chi sku	Chi sku	Chi sku
	20	Kolgrik	Kolgrik	Kolgrik





NINGAO BADITA BLOK DONGA

10 2

12

Chigni

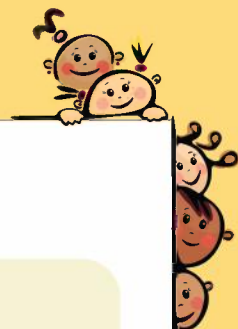
10

15

Chibonga

10

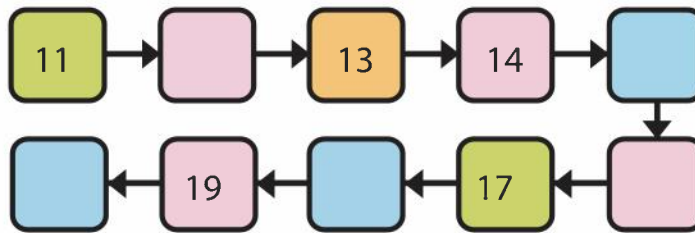
10



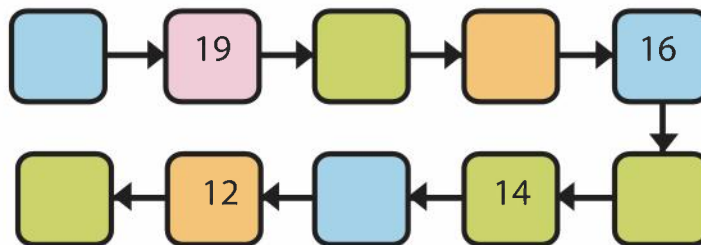


BANGBANG NOKKO GAPATNA

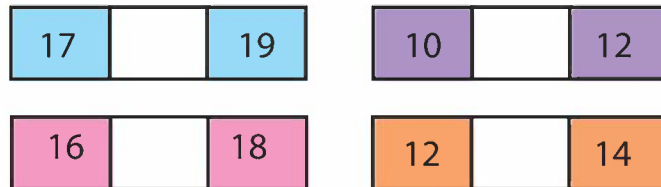
Chonaoni dal.a



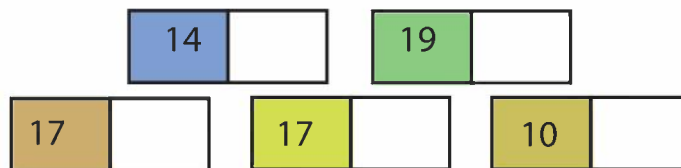
Dal.aoni chona



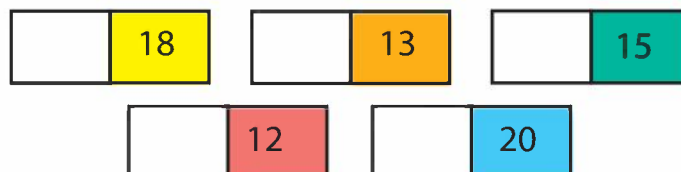
Janchini nomborko sebo



Jamangipa nomborko sebo



Skangipa nomborko sebo





1. AN-TANG DAKNA

Dalgipa nomborangko saldawilna

15 18

14 11

16 19

13 12

20 17

11 20



2. Kosako mesokagita problem tarina. Klasni ripengko sing-na.



3. Nombor sajaina:

	Nombor	Chonaoni dal-a	Dal-aoni chona
	11, 18, 19, 14, 15	11, 14, 15, 18, 19	19, 18, 15, 14, 11
(1)	16, 20, 13, 12, 17		
(2)	18, 13, 15, 20, 11		
(3)	12, 9, 13, 15, 4		
(4)	14, 8, 0, 20, 17		



4. Nombor lainoniko nomborko sandina



13 -on 2 batgipa
nombor badita?

Ua nombor
ongjok 15



संख्या लाईन



(1) 16-oni 3 batgipa nomborrang badita?

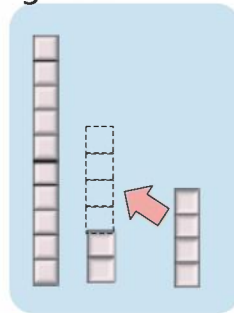
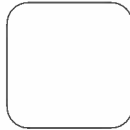
12. CHANDAPANI

12.1 Chandapa



Mituni kan 12 pensil donga. Pagipa una aroba kan 4 pensil ondapataha. Mituni badita pensil ongaha?

$$12 + 4 =$$



(1) Chandapatna.

(1) $12 + 2 =$

(2) $12 + 5 =$

(3) $12 + 7 =$

(4) $11 + 1 =$

(5) $14 + 3 =$

(6) $15 + 1 =$

(7) $6 + 12 =$

(8) $1 + 18 =$

(9) $3 + 14 =$

(10) $10 + 4 =$

(11) $10 + 8 =$

(12) $5 + 10 =$

(2) Mamanti-ni atchiani salo uni nokona sak 13 ripeng aro sak 5 chatchi rebachim. Uan salo uni nokna badita mande rebachim?

(3) Balua tarake Goera-ni nokni te-gatchu pang be-e ga-aka. Goera rong 6 aro uni rongipa rong 11 te-gatchu kol-e manaha. Apsan dake uamang badita te-gatchu manaha?

(4) Noksa dakna Ronja-ni kan 10 rong ongipa pensil dongachim. Ua dokanniko aroba kan 9 rong ongipa pensil briaha. Uni badita rong ongipa pensil ongaha?

12.2 Chandapa

Dalgipa pango rong 9 dalim aro chongipa pango 4 dalim donga



Apsan badita Dalim donga?

$$\square + \square$$



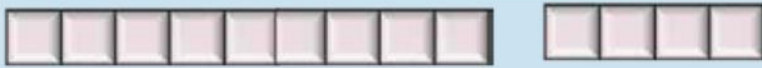
Anga ino rong
10 bata ine
chanchia.

Anching badita
chandapo 10
onggen.



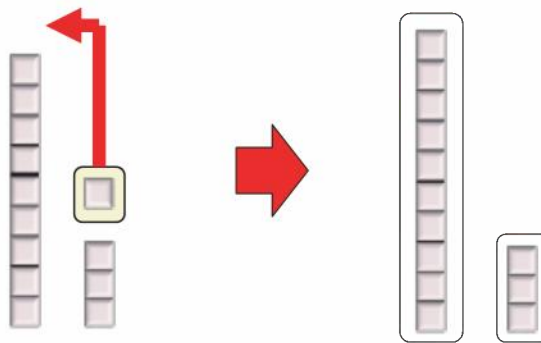


$$9 + 4$$



Kan 9 blok baksa kan 4 bloknioniko kan 1 blok ra-e kan 10-ni dal banaina

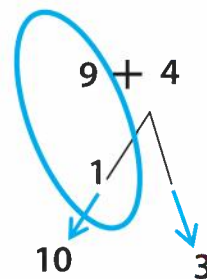
Kan 4 blokonni kan 1 re-angjokono kan 3 donga.



$$9 + 4 = \boxed{}$$

9 + 4 ko maikai chandapa

- [1] 9 ko 10 tarina badita nombor nanga?
- [2] 4 ko piprake 1 aro 3 tarina mana.
- [3] 4 oniko 1 ra-e 9 ko 10 tarina mana.
- [4] 4 oni 1 re-ango 3 donga.
- [5] 10 aro 3 apsan onge 13 onga.





NA·A MAI DAKE $8 + 3$ -KO HISAB KA·GEN ?

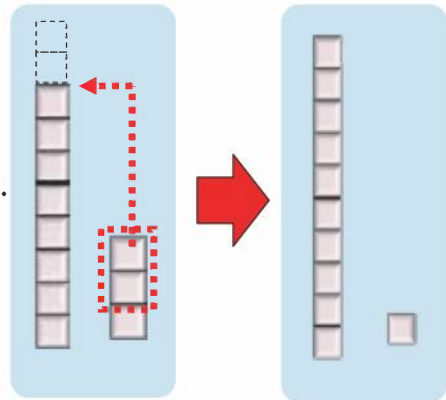
8-ko 10 tarina _____ nanggen.

3-ko pe-e 2 aroba _____ tarina mana.

8 baksa 3-oni _____ ko ra-e 10 tarina mana.

3-oni _____ re-ango 1 dongaha.

10 aroba _____ ko ra-e _____ ong·a.



1. Chandapna

(1) $9 + 5 =$

(2) $9 + 7 =$

(3) $9 + 8 =$

(4) $8 + 4 =$

(5) $8 + 5 =$

(6) $8 + 6 =$

(7) $6 + 5 =$

(8) $7 + 8 =$

(9) $5 + 7 =$

(10) $7 + 7 =$

(11) $6 + 6 =$

(12) $8 + 8 =$

(13) $3 + 8 =$

(14) $2 + 9 =$

(15) $9 + 9 =$



2. Bakrao sak 6 dake ge 2 dolo hadudu kal·ani ong·enga. Gimikchi basik mande kal·enga ?



3. Gesa kappao rong 8 aro gipingipao rong 9 te·rik donga. Gimikchi basik te·rik donga ?



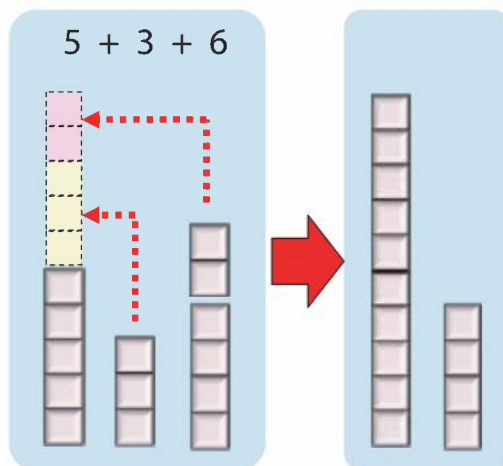
4. $6 + 7$ -na gesa golpo tarina.

NINA, MAN·AMA !



Animani bagano pang gittam golap pang donga. Pangsa gipao kan 5, dao pangsaao kan 3 aroba pangsaagipao kan 6 golap bibal balaha. Ua bagano gimikchi basik golap bibal ongaha ?

$$\begin{array}{r} 5 + 3 + 6 = \square \\ \square \\ \square \end{array}$$



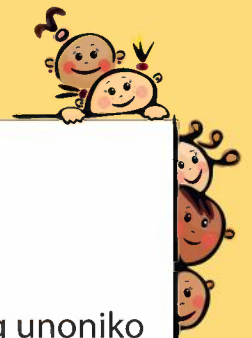
Romani rong 7, Somani rong 8 aroba Ripon rong 4 lechu cha-aha. Bisong basik lechu cha-aha ?

$$\begin{array}{r} \square + \square + \square = \square \\ \square \\ \square \end{array}$$



5. Chandapatna :

- | | | |
|--------------------|--------------------|-------------------|
| (1) $11 + 2 + 3 =$ | (2) $13 + 1 + 5 =$ | (3) $2 + 6 + 4 =$ |
| (4) $4 + 4 + 4 =$ | (5) $5 + 3 + 5 =$ | (6) $3 + 8 + 1 =$ |
| (7) $3 + 9 + 5 =$ | (8) $6 + 6 + 6 =$ | (9) $5 + 5 + 5 =$ |



13. CHANGALA

13.1 Changala



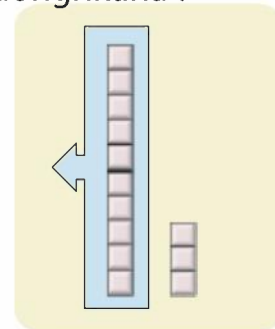
Skulni almirao kan 14 robol dongachim. Bi-sarang unoniko kan 4 range bakraona kal-enga. Almirao da-o basik robol donga ?

$$14 - 4 =$$



Rong 13 te-rik dongachim. Raja aro Ranu unoniko rong 10 cha-e galaha. Da-o basik te-rik dongrikaha ?

$$13 - 10 =$$



1. Changalna :

(1) $12 - 2 =$

(2) $18 - 8 =$

(3) $15 - 5 =$

(4) $14 - 10 =$

(5) $16 - 10 =$

(6) $19 - 10 =$

(7) $14 - 3 =$

(8) $18 - 4 =$

(9) $19 - 7 =$

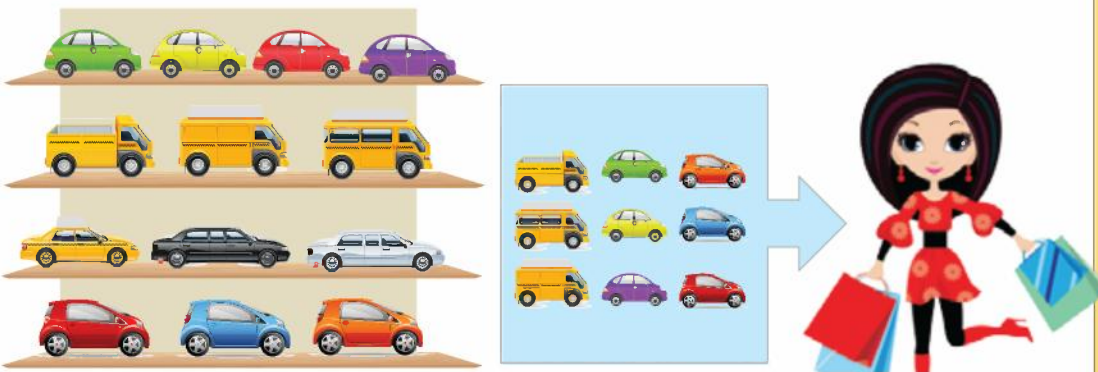


2. Klaso sak 17 skigiparang changalani channako dakenga. Uarangoni sak 5-ni hisab tik ong-ja. Basik tik dake hisab dakna manaha ?



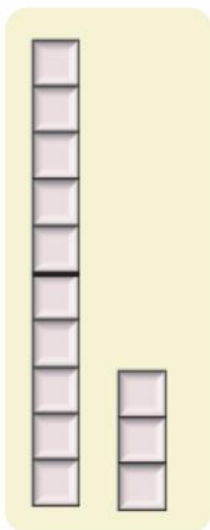
13.2 CHANGALA

Dokano kan 13 kal-ani gari dongachim. Unoniko kan 9 pal-a ongaha ?



Dokano da-o basik kal-ani gari dongku-enga ?

-

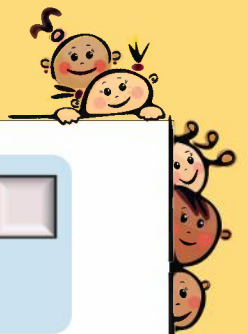


Kan 13-oni kansa
dake kan 9
don-galbo.



Angni chanchiagitade, 10-oni dol tarie
ra-ode rongtale uipana namgengchim.



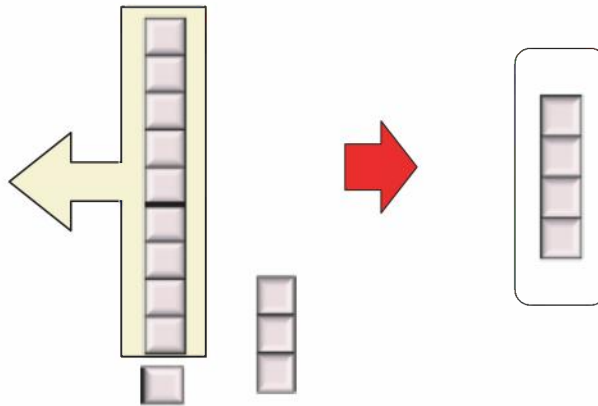


$13 - 9$



An·ching 10-oniko
ge 9 ra·ode basik
donggen ?

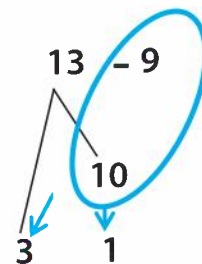
An·ching 10-oniko
ge 9 ra·na mana.
Ong·jani ?



$$13 - 9 = \square$$

Mai dake 13-oniko 9 changalgen ?

- [1] 13-ko pe·e 10 aro 3 dakna mana.
- [2] 10-oniko 9 changalna mana.
- [3] 10-oniko 9 changalode 1 donga.
- [4] 1 aro 3-ko ra·e 4 onga.





NA·A MAI DAKE 14-ONIKO 8 CHANGALGEN ?

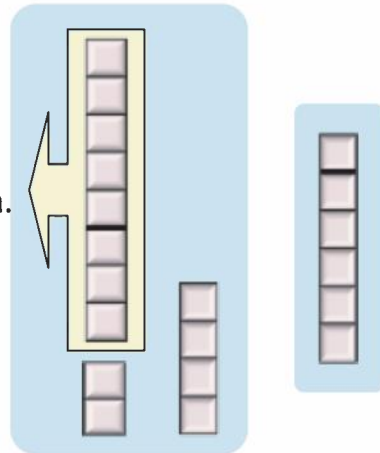
An·ching 10-oniko 8 changalna mana.

14 pe·e _____ aro _____ dakna mana.

_____ oni 8 changalode

_____ donga.

2 aro _____ ra·e _____ ong·a.



1. Changalako dakna

- | | | |
|-----------------|-----------------|-----------------|
| (1) $14 - 9 =$ | (2) $14 - 6 =$ | (3) $14 - 5 =$ |
| (4) $11 - 8 =$ | (5) $11 - 4 =$ | (6) $11 - 2 =$ |
| (7) $12 - 7 =$ | (8) $13 - 9 =$ | (9) $15 - 6 =$ |
| (10) $18 - 9 =$ | (11) $12 - 6 =$ | (12) $16 - 8 =$ |
| (13) $12 - 3 =$ | (14) $13 - 5 =$ | (15) $17 - 8 =$ |



2. Rutin-ni kan 14 ladum dongachim. Uniko ua kan 6 ladum Biti-na on·aha. Rutin-ni jako da·o basik kansa ladum donga



3. Esa ma·gipa rong 11 obiramo-niko rong 4 Esa-na on·aha. ma·gipachi da·o basik obiram donga ?

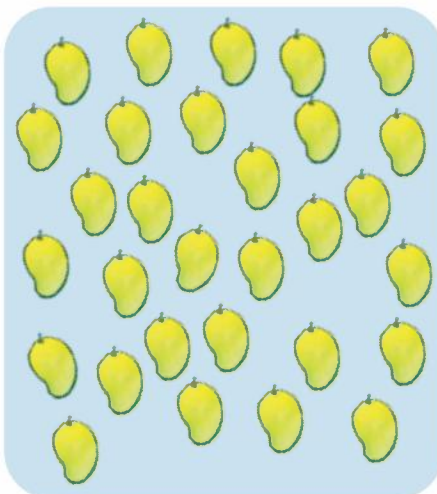


4. $13 - 9$ -ko ra·e gesa golpo tarina.



14. NOMBOR (21-ONI 50)

Silga aro Chima bibal aro te-gatchu channenga.



Noksani bibal aro te-gatchu-ko channa. Neng-nikgija iarangko channani chol dongama ?



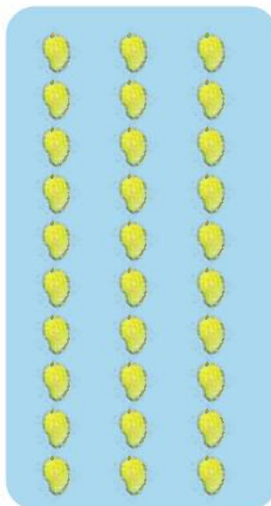
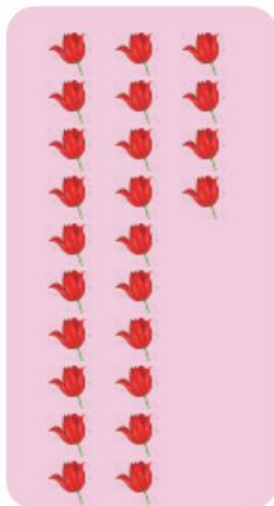
Basik gesa channachim
gisik ra-na manjajok.

Sak 10-ni dol tarie
channo namgenma ?



Bibal Channani
nombor

→ 10-ni ge gni dol
aro ge 4



Te-gatchuni nombor

→ 10-ni ge gittam
dol





BASIK GESA BIBAL ARO TE-GATCHU DONGA UARANGKO NOMBORCHI ARO KATTACHI SEBO

BIBAL		TE-GATCHU....	
10-ni basik gesa ?	1-ni basik gesa ?	10-ni basik gesa ?	1-ni basik gesa ?
2	4		

Nombor	Kattachi	Nombor	Kattachi	Nombor	Kattachi
21	Kolgrik sa	31	Kolachi sa	41	Sotbri sa
22	Kolgrik gni	32	Kolachi gni	42	Sotbri gni
23	Kolgrik gittam	33	Kolachi gittam	43	Sotbri gittam
24	Kolgrik bri	34	Kolachi bri	44	Sotbri bri
25	Kolgrik bonga	35	Kolachi bonga	45	Sotbri bonga
26	Kolgrik dok	36	Kolachi dok	46	Sotbri dok
27	Kolgrik sni	37	Kolachi sni	47	Sotbri sni
28	Kolgrik chet	38	Kolachi chet	48	Sotbri chet
29	Kolgrik sku	39	Kolachi sku	49	Sotbri sku
30	Kolachi	40	Sot bri	50	Sot bonga





1. BANG BANG NOKO NOMBOR SENA

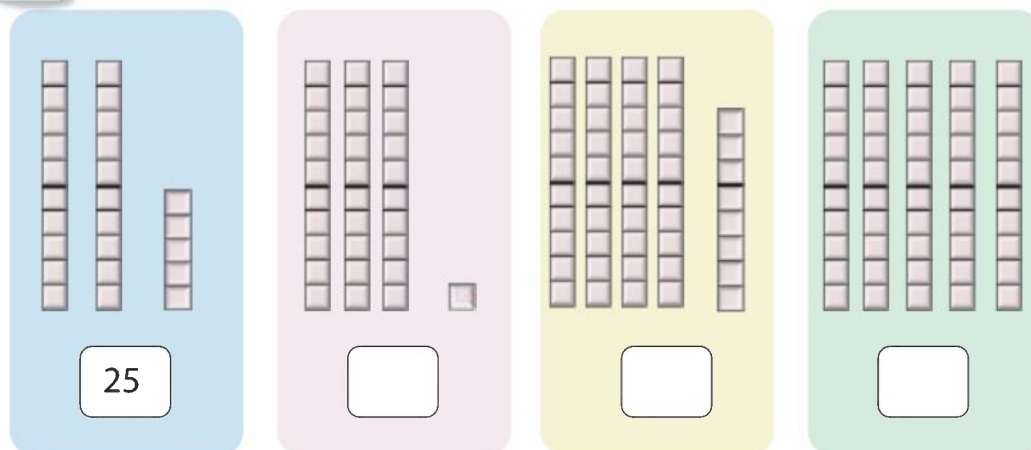
1			4		6		8		10
11		13				17			20
	22			25	26		28	29	
31		33			36			39	
			44			47			50



2. BASIK RONGSA E-PIL ?



3. NOMBORCHI SEBO



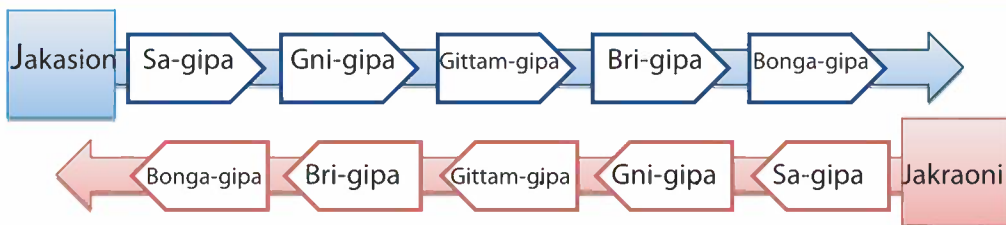


15. GADANGKO MESOKGIPA NOMBOR

Mamingko channani somoirango an·ching 1, 2, 3 indake nomborrangko jakkalani ong·a. Indiba mamung bostuni dong·ako mesokna am·ode gadang mesokgipa nomborko jakkalronga.

Channani nombor	Sa	Gni	Gittam	Bri	Bonga
Gadangko mesokgipa nombor	Sa-gipa	Gni-gipa	Gittam-gipa	Bri-gipa	Bonga-gipa

Dingtang dingtang matburungrang chadeng·e dong·a



GADANGKO MESOKGIPA NOMBORKO JAKKALE MATBURUNG-RANGNI DONG·AKO AGANBO

- ⊙ Jakasioni sawa gni-gipa ? _____
- ⊙ Jakraoni sawa sa-gipa ? _____
- ⊙ Jakraoni sawa bonga-gipa ? _____
- ⊙ Jakasioni sawa bri-gipa ? _____
- ⊙ Jakraoni sawa gittam-gipa ? _____



Chima, klas room-ni
bagipao na-a asoenga ?

Anga mikkangoni
Gittam-gipao aro uni
jakasioni gni-gipa biapo
asoenga?



1. Da·ode na·aba aganbo na-a bagipao asoenga ?



2. JAKASI ARO JAKRAONI GEPRAK BITE-NI DONGGIPAKO AGANBO

JAKASI



JAKRA



Sakbonga chatro-chatri jak rimgrike chadenge donga.

JAKASI



JAKRA

- (1) Jakasioni sak-briko saldawilbo.
- (2) Jakasioni bri-gipako saldawilbo.

Jakasioni sak-bri

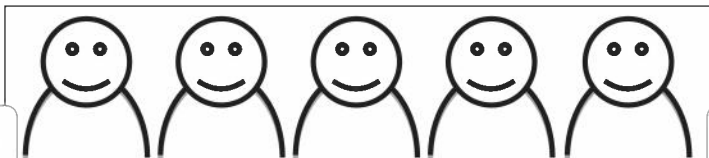


Jakasioni bri-gipa



3. Ningaoni sak 5 bi-sani giseponiko rongtalako sandena nanggen. Uni ripeng agana, rongtala gni-gipa biapo asonga. Saksagipa gipin ripeng agana, rongtalani jaka-rachibak sak 3 bi-sa donga.

Jakasi



Jakra

Noksao Ali-ko sandie rong on-bo.



Bang-gija bi-sarang laino chadenge dong-enga. Silme mikkangoni gni-gipa aroba uni ki-sango da-oba sak 5 bi-sa donga. Laino basik saksa bi-sa donga ?



lako an-ching noksa sale neng-nikgijan dakna mana.

Mikkangchi

Ki-sangchi



Mikkangoni gni-gipa

Ki-sangchi aro sak 5 bi-sa

Bi-sarangni nomborko mai dake hisab ka-gen ?

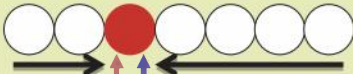
$$\square + \square = \square$$



Bi-sarang laino chadenge donga. Siltong mikkangoni gittam-gipa aro ki-sangoni bonga-gipa. Laino basik saksa bi-sa donga ?

Mikkangchi

Ki-sangchi



Mikkangoni gittam-gipa

Ki-sangoni bonga-gipa



4. Togan uni nokdango bilsa chongipaoni gittam-gipa aro dal-aoni gisepo bri-gipa. Uni nokdango basik saksa donga ?



16. BANGLADESH-NI PAISA ARO TANGKA



50 paisa



Gong sa tangka



Gong gni tangka



Gong bong tangka



Gong sa tangka



Gong gni tangka



Gong bong tangka



Gong chiking tangka

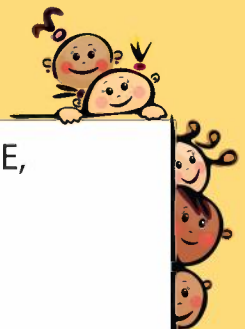


Tangka kolgrik



Tangka sotbonga





NINGAO DONGGIPA NOTE-RANG SILGANI ONG•ODE,
UNO BASIK TANGKA DONGA ?



Basik tangkani basik gesa note donga channe aganbo.



$$5 + 5 = 10$$

gong 10



$$2 + 2 + 2 = 6$$

gong 6

$$10 + 6 = 16$$

Gimikchi : gong 16 tangka.



1. Ningao donggipa note-rang Chimachi donga. Ua gong
18 tangkachi gesa kolom brena am•enga. Ua brena
man•gen ma ?



2. Jinia gong 13 tangka ra•e dokanchi re•angaha. Ua gong
8 tangkani gesa kata breha. Uni da•o basik tangka donga ?





Chanchie nina, anching mai dake gong 1, gong 2 aro gong 5 tangka-ni note-rangko mai dake jakalna mana?



Anga uia, gong 2 tangka ge-gni gong 1 tangka-ni noteni soman

Indide an•ching mai dake gong 5 tangka-ko pe-na mana?



Ningao dongipa tebilni bang bang biapko gapatna:

Note		Gong 2 tangkani note 	Gong 1 tangkani note 
Gong 5 tangka 		Kan	Kan
		Kan	Kan
		Kan 0	 Kan 5



4. Mai dake an•ching tangka gong 1, tangka gong 2 aro tangka gong 5-ni note-rangko jakale tangka gong 10-ko pe-na mana?

17. Chandapa aro changala (21 aoni 50)

17.1 Chandapako

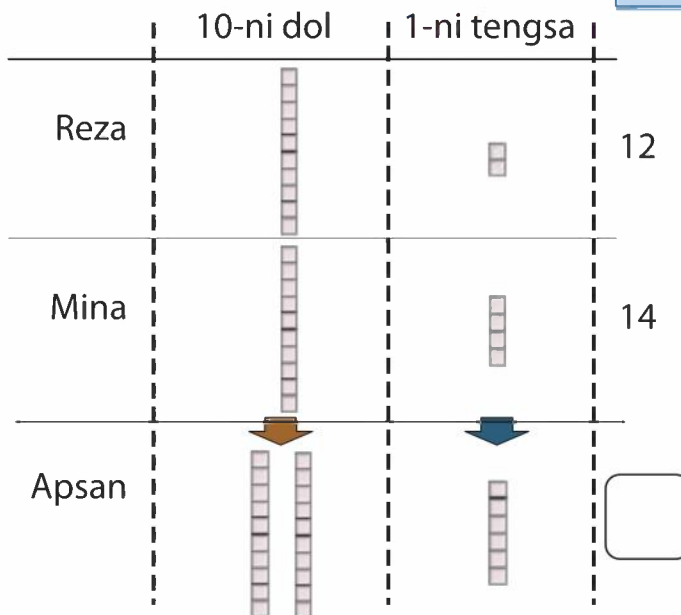


Rejani 12 aro minani 14 leka donga. Apsan dake uamang-ni basik leka donga? Na•a mai dake chan•gen?

Na.a mai dake chan•gen?

$$12 + 18 = \square$$

Kosak-ni ningaona chandapna

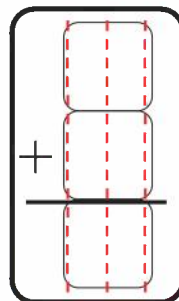


$$\begin{array}{r} 12 \\ + 14 \\ \hline \end{array}$$



Milichi tangka 20 donga aroba kolom brina pagipa una 25 ona. Upsan dake uni basik tangka ongaha?

Kosako-ni ningaona chandapna



$$\square + \square = \square$$



1. Chandapako dakna

$$\begin{array}{r} 11 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 15 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ + 14 \\ \hline \end{array}$$

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

$$\begin{array}{r} 25 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 40 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 42 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 40 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ + 0 \\ \hline \end{array}$$

$$(16) \quad 15 + 13 =$$

$$(17) \quad 21 + 27 =$$

$$(18) \quad 34 + 12 =$$

$$(19) \quad 19 + 30 =$$

$$(20) \quad 10 + 28 =$$

$$(21) \quad 20 + 20 =$$

$$(22) \quad 30 + 20 =$$

$$(23) \quad 43 + 5 =$$

$$(24) \quad 9 + 30 =$$



2. Gesa Skul-o klas one-o sak 24 chatro aro 25 chatri donga. la skul-o basik saksa chatro chatri donga?



3. Sobita gesa ki-tap poraienga. Mijal ua jak 13 poraia aro da.alo jak 10 poraiaha. Salgingingo ua basik jaksa poraiaha?



4. Bina tangka 20 na obiram rongsa aro tangka 30-na belati rongsa briaaha. Apsan dake ua basik tangka koros kaha?



5. Hadini king 40 leka donga. Pagipa una aro king 7 leka ona. Da-o uni basik gesa leka donga?





17.2 Changala

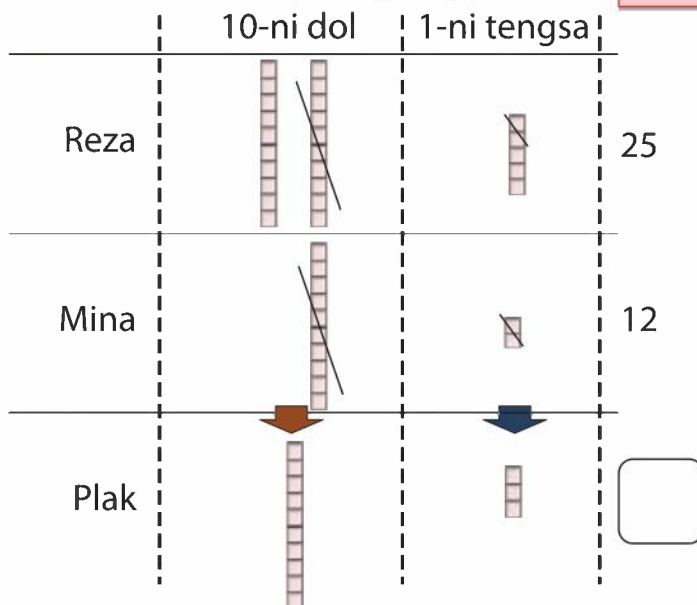


Rejani 25 aro Minani 12 golponi ki•tap danga. Mina-na bate Reja-ni basik gesa golponi ki•tap danga?

Mai dake na.a changen?

$$25 - 12 = \square$$

Kosako-ni ningaona Changala



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



Gong 34 tangka ra•e Akas bajalchi re•ange samjak briha. Uni jako da•o tangka gong 14 danga. Samjak brina ua basik koros dakaha?

$$\begin{array}{r} 34 \\ - 14 \\ \hline \end{array}$$

$$34 - 14 = \square$$



4 - 4 = 0 aro
3 - 1 = 2

O sena gualnabe





1. Changalako dakna

$$\begin{array}{r} (1) \quad 29 \\ - 16 \\ \hline \end{array}$$

$$\begin{array}{r} (2) \quad 37 \\ - 15 \\ \hline \end{array}$$

$$\begin{array}{r} (3) \quad 48 \\ - 13 \\ \hline \end{array}$$

$$\begin{array}{r} (4) \quad 24 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} (5) \quad 38 \\ - 31 \\ \hline \end{array}$$

$$\begin{array}{r} (7) \quad 49 \\ - 43 \\ \hline \end{array}$$

$$\begin{array}{r} (7) \quad 25 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} (8) \quad 45 \\ - 40 \\ \hline \end{array}$$

$$\begin{array}{r} (9) \quad 30 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} (10) \quad 50 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} (11) \quad 41 \\ - 41 \\ \hline \end{array}$$

$$\begin{array}{r} (12) \quad 20 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} (13) \quad 39 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} (14) \quad 46 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} (15) \quad 32 \\ - 0 \\ \hline \end{array}$$

$$(16) \quad 35 - 13 =$$

$$(17) \quad 47 - 27 =$$

$$(18) \quad 31 - 11 =$$

$$(19) \quad 29 - 22 =$$

$$(20) \quad 30 - 10 =$$

$$(21) \quad 23 - 23 =$$

$$(22) \quad 24 - 3 =$$

$$(23) \quad 38 - 8 =$$

$$(24) \quad 50 - 0 =$$



2. Taslimani 37 leka gipok donga. Noksa salna ua 15 jakalaha. Uni da.o basik leka dong?



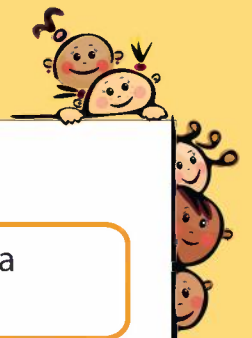
3. Sakib tangka 48 na gesa kalani bostuko brina am•a. Indiba uni tangka 28 donga. Kalani bostuko brina uno da•o basik tangka nangkugen?



4. Klas two•o 22 aro klas one no 34 chatro-chatri donga. Bagiba klasni chatro chatri bangbata? Basik bangbata?



5. Gesa golpo ki•tapo jak 50 donga. Mita jak 20 poraiaha. Basik jaksa poraia onguja?

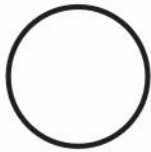


18. JEMITINI BIMANG

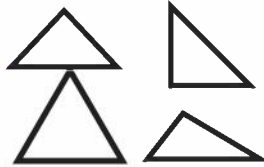


Noksao tambinga, konagittam aro konabri dakgipa bimangko sandie rana.

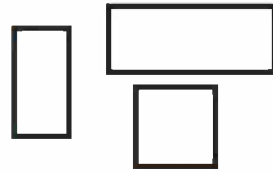
Tambinga
bimang



Kona gittam bimang



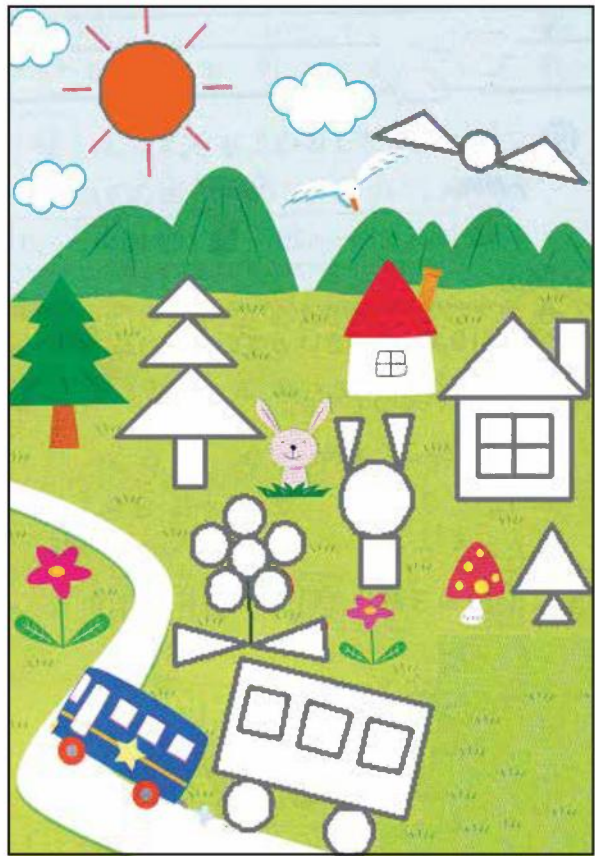
Kona bri bimang



Anga sal-o tamb-
inga dakgipa
bimangko nika.



Angaba pango konagit-
tam dakgipa bimangko
nikna manaha.





Nangni skul nok-o aro klas room-o tambinga, konagittam aro kona bri dakgipa bimangko sandie nibo, na-a ia bimangrangko bano bano sandie manaha?



Tambinga
bimang



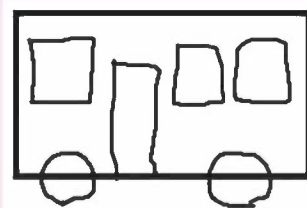
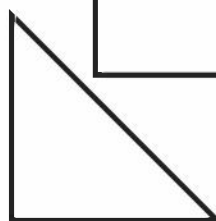
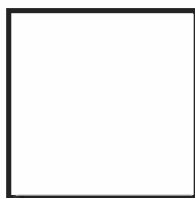
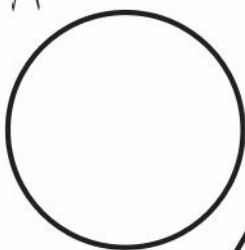
Konagittam
bimang



Konabri
bimang



Tambinga, konagittam aro konabri bimangko jakkale noksa tarina.



Anga ge•sa tambinga
bimangko jakale
ge•sa mikangni nok-
sako salaha.

Ge•sa ro•a konabri
dakgipa bimangko
jakkale anga gesa
bus gari-ni noksako
salaha.



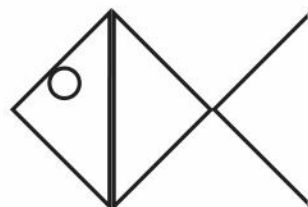
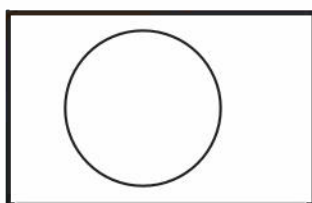
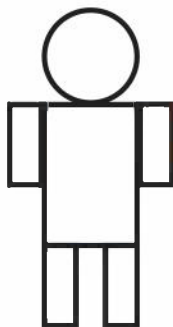


Tambinga, konagittam aro konabri dakgipa bimangko
jakkale dingtang dingtang bimang tarina.



Chinga saksamande,
jatni nisan aro mangsa
natok tariaha.

Nangni sikagita gesa
noksas taribo.



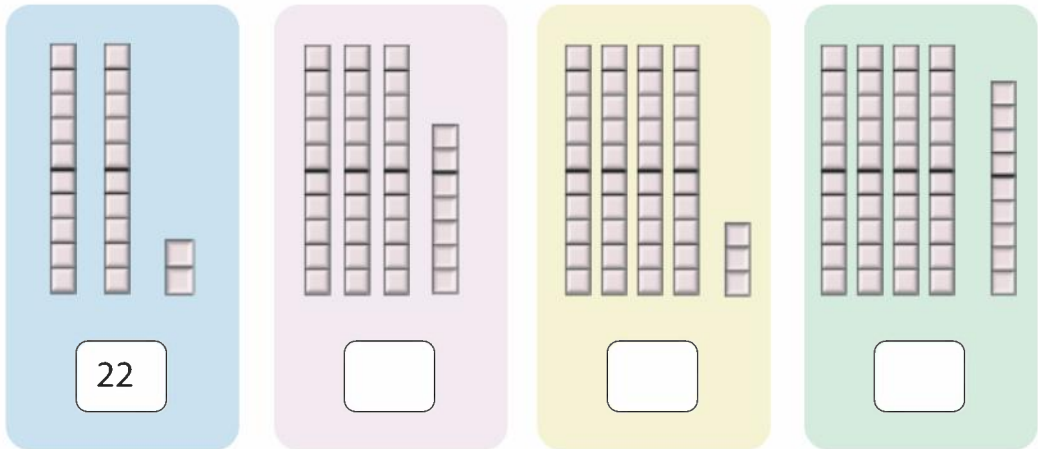
Mana ma manja uko nina :

Nangni an-tangni noksako salbo.



19. AN•TANG DAKNA

1. Nomborchi sena



2. Nomborchi sena

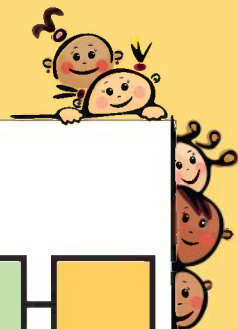
- | | | |
|-------------|----------------|-------------|
| (1) Chi sku | (2) Sku | (3) Bri |
| (4) Bonga | (5) Chibonga | (6) Chet |
| (7) Chi sa | (8) Chi gittam | (9) Chi sni |

3. Kattachi sena

- | | | | |
|--------|--------|--------|-------|
| (1) 2 | (2) 12 | (3) 7 | (4) 3 |
| (5) 16 | (6) 10 | (7) 18 | (8) 1 |

4. Dalgipa nomborko saldawilna

15	11	8	19	16	14	17	12
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5. Bangbang noko nomborko sena:

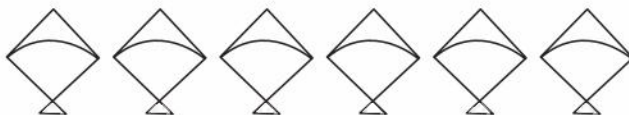
Dal•aoni chona



Chonaoni dal•a



6. (a) Jakasio-ni bri-gipa noksako rong on•a



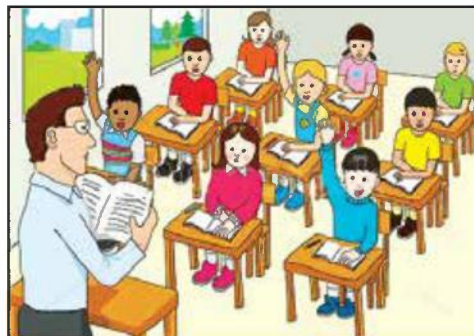
(b) Jakrao-ni kangni noksako rong on•a



(c) Jakrao-ni bonga-gipa noksako rong on•a



7. Reja agana, anga mikkangni gni-gipa laino asongaha aro angni jakra-chi sak-gni chatro donga. Reja bano asongaha? Saldawilbo.



Klas room

Nina man•a ma !

Nangni an•tangni klaso apsan dakgipa singaniko taribo aroba singaniko aganatbo.

8. Chandapna:

(1) $10 + 6 =$

(2) $12 + 4 =$

(3) $16 + 3 =$

(4) $5 + 11 =$

(5) $9 + 3 =$

(6) $6 + 5 =$

(7) $4 + 7 =$

(8) $2 + 9 =$

(9) $6 + 8 =$

9. Changanla

(1) $16 - 2 =$

(2) $18 - 4 =$

(3) $14 - 10 =$

(4) $15 - 10 =$

(5) $14 - 6 =$

(6) $11 - 5 =$

(7) $12 - 3 =$

(8) $17 - 9 =$

(9) $16 - 9 =$

10. Hisab dakna

(1) $7 + 6 =$

(2) $2 + 8 + 5 =$

(3) $16 - 3 =$

(4) $14 + 8 + 2 =$

(5) $6 + 7 + 3 =$

(6) $5 + 9 + 4 =$

(7) $15 - 8 =$

(8) $13 - 5 =$

(9) $8 + 5 =$

11. Chandapna

(1)
$$\begin{array}{r} 23 \\ + 14 \\ \hline \end{array}$$

(2)
$$\begin{array}{r} 11 \\ + 32 \\ \hline \end{array}$$

(3)
$$\begin{array}{r} 20 \\ + 18 \\ \hline \end{array}$$

(4)
$$\begin{array}{r} 10 \\ + 30 \\ \hline \end{array}$$

(5)
$$\begin{array}{r} 9 \\ + 40 \\ \hline \end{array}$$

(6) $21 + 25 =$

(7) $35 + 13 =$

(8) $11 + 33 =$

(9) $10 + 28 =$

(10) $20 + 20 =$

(11) $30 + 7 =$



12. Changan:

$$\begin{array}{r} (1) \quad 28 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} (2) \quad 36 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} (3) \quad 45 \\ - 40 \\ \hline \end{array}$$

$$\begin{array}{r} (4) \quad 50 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} (5) \quad 23 \\ - 3 \\ \hline \end{array}$$

$$(6) \quad 38 - 24 =$$

$$(7) \quad 26 - 13 =$$

$$(8) \quad 44 - 22 =$$

$$(9) \quad 33 - 13 =$$

$$(10) \quad 28 - 21 =$$

$$(11) \quad 47 - 47 =$$

13. Noyomini kan 25 ki-tap dongachim. Ua boi mela-oniko aroba kan 14 ki-tap briaaha. Dao uni badita kansa ki-tap ongaha?

14. Ge-sa cricket match-o tom-ni dol 48 run ka-aha aroba pringni dol 32 run dakaha, badita chona?

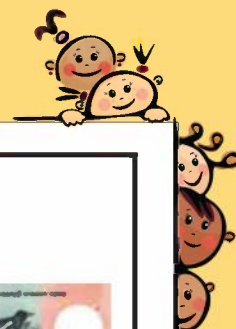
15. Ronini 49 bilsa dongachim. Apuni bilsa dongachim 33. Ronina bate Apu badita bilsa chona?

16. 48 -oni badita changalo 20 onggan?

17. Rejinani kan 26 rong pensil dongachim. Ua melaonika kan 12 rong pensil bridapaha. Ua jonggipana kan 7-ko onaha. Dao rejinachi badita rong pensil dongenga?

18. Magipa sontolna kan 24 manthi on-aha. Sontol unoniko nogipana kan 12 on-aha. Jamano magipa sontolna daoba kan 10 manti on-aha. Sontolni dao badita manti ongenga?

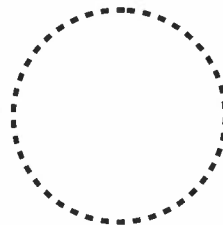
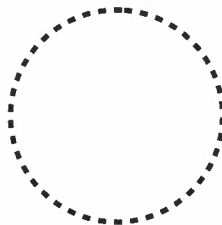
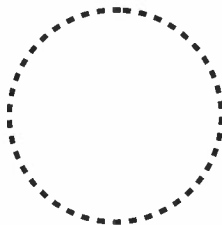
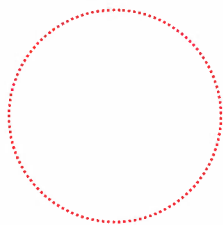




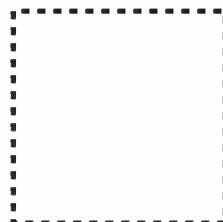
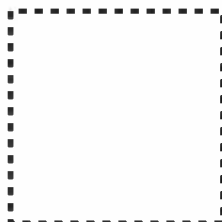
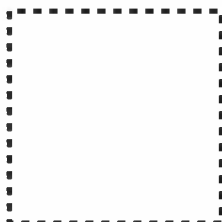
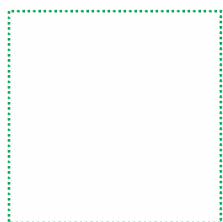
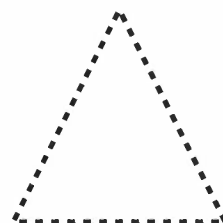
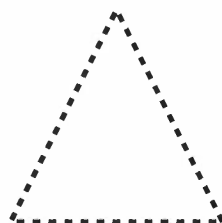
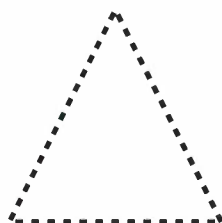
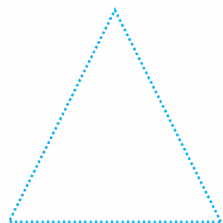
19. Saidni bokso lekkani tangkarang donga. Ice-cream brena gong 12 nangode badita note rangko on-a nanggen? Gimmikkon sebo.



20. Ia noksarangni bimungko sena. Dotrango saldape noksarangko sena.



Tambinga



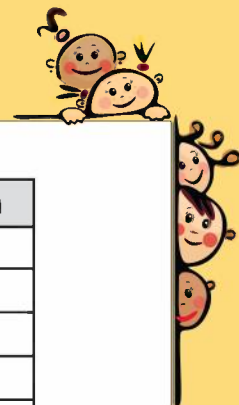
SEDAPANGKUANI1 : NOMBORKO PORAI ARO SEA

NOMBOR (1-ONI 10)

Nombor	Mai dake poraigen	Nombor	Mai dake poraigen
1	Sa	6	Dok
2	Gni	7	Sni
3	Gittam	8	Chet
4	Bri	9	Sku
5	Bonga	10	Chiking

NOMBOR (11-ONI 20)

Nombor	Chikingchi channani	Mai dake poraigen
11	1 chiking 1	Chi sa
12	1 chiking 2	Chi gni
13	1 chiking 3	Chi gittam
14	1 chiking 4	Chi bri
15	1 chiking 5	Chi bonga
16	1 chiking 6	Chi dok
17	1 chiking 7	Chi sni
18	1 chiking 8	Chi chet
19	1 chiking 9	Chi sku
20	2 chiking	Kolgrik

**NOMBOR (21-ONI 40)**

Nombor	Chikingchi channani	Mai dake poraigen
21	2 chiking 1	Kolgrik sa
22	2 chiking 2	Kolgrik gni
23	2 chiking 3	Kolgrik gittam
24	2 chiking 4	Kolgrik bri
25	2 chiking 5	Kolgrik bonga
26	2 chiking 6	Kolgrik dok
27	2 chiking 7	Kolgrik sni
28	2 chiking 8	Kolgrik chet
29	2 chiking 9	Kolgrik sku
30	3 chiking	Kolachi
31	3 chiking 1	Kolachi sa
32	3 chiking 2	Kolachi gni
33	3 chiking 3	Kolachi gittam
34	3 chiking 4	Kolachi bri
35	3 chiking 5	Kolachi bonga
36	3 chiking 6	Kolachi dok
37	3 chiking 7	Kolachi sni
38	3 chiking 8	Kolachi chet
39	3 chiking 9	Kolachi sku
40	4 chiking	Sot bri

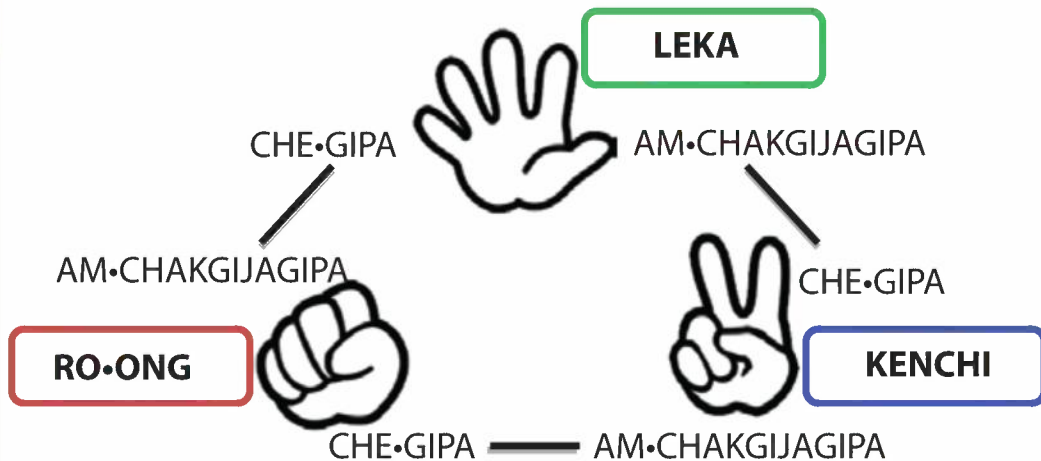
NOMBOR (41-ONI 50)

Nombor	Chikingchi channani	Mai dake poraigen
41	4 chiking 1	Sotbri sa
42	4 chiking 2	Sotbri gni
43	4 chiking 3	Sotbri gittam
44	4 chiking 4	Sotbri bri
45	4 chiking 5	Sotbri bonga
46	4 chiking 6	Sotbri dok
47	4 chiking 7	Sotbri sni
48	4 chiking 8	Sotbri chet
49	4 chiking 9	Sotbri sku
50	5 chiking	Sotbonga



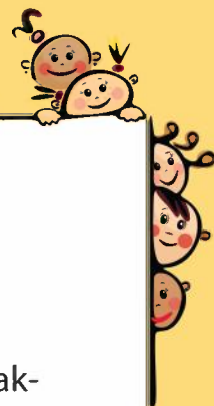
SEDAPANGKUANI : RO•ONG – LEKA – KENCHI KAL•A

MAI DAKE KAL•GEN :



Ro•ongna bate leka bilak bata, maina leka ro•ongko pindapna man•a.
 Lekana bate Kenchi bilak bata, maina kenchi lekako ratna man•a.
 Kenchina bate ro•ong bilakbata, maina ro•ong kenchiko gongetatna man•na.

Sak gni chatro ia kal•ako kal•na man•na. Sak gni apsan ong•e Sa, gni, gittam, re•bo ine agangen. Jakchi ro•ong – leka – kenchini gesa chin mesokgen. Je dakode apsan dake jakni chinko mesoka. Jeni chin bilakbatgen uan kal•ao che•gen. Sak gnini chin apsan ong•ahaode kal•a draw ong•gen. Sak gni bate ba ia kal•ako kal•na man•gen. Indinaride sawa kamko abachenggen iako seokna ia kal•ko kal•ronga.



SEDAPANGKUANI : NOMBOR CHANNANI KAL•A

MAI DAKE KAL•NA NANGGEN :

Iako sak•gni kal•gen. Uamangoni sak sa singgipa aro sak sa aganchakgipa ong•gen. Singgipa jakpa dokgen aro aganchakgipa jakpa dokako chan•gen. Aganchaka kakket ong•ahaode uni bimungni sepango 0 ong•gen, kakket ong•jaode X chin ong•gen. Indake changbonga kal•gen. Jean bang•bate 0 man•gen uan che•gen.

Ro•ong – Leka – Kenchi kal•emung jean skang singgipa ong•gen uako tik ka•e nina.

Je ka•e :



Sing•gipa

la gittam !



Agangipa

Bimung	Kal•a 1	Kal•a 2	Kal•a 3	Kal•a 4	Kal•a 5	○-ni gimik nombor
SILGA	○	○	×	○	○	4
CHIMA	×	○	○	○	○	

Ia kal•mesokao, sak gnian 4 nombor dake man•a. Jamano uamang draw dakaha. Ka•sapae ○-ko channe nomborko gapatbo.

Tarik :

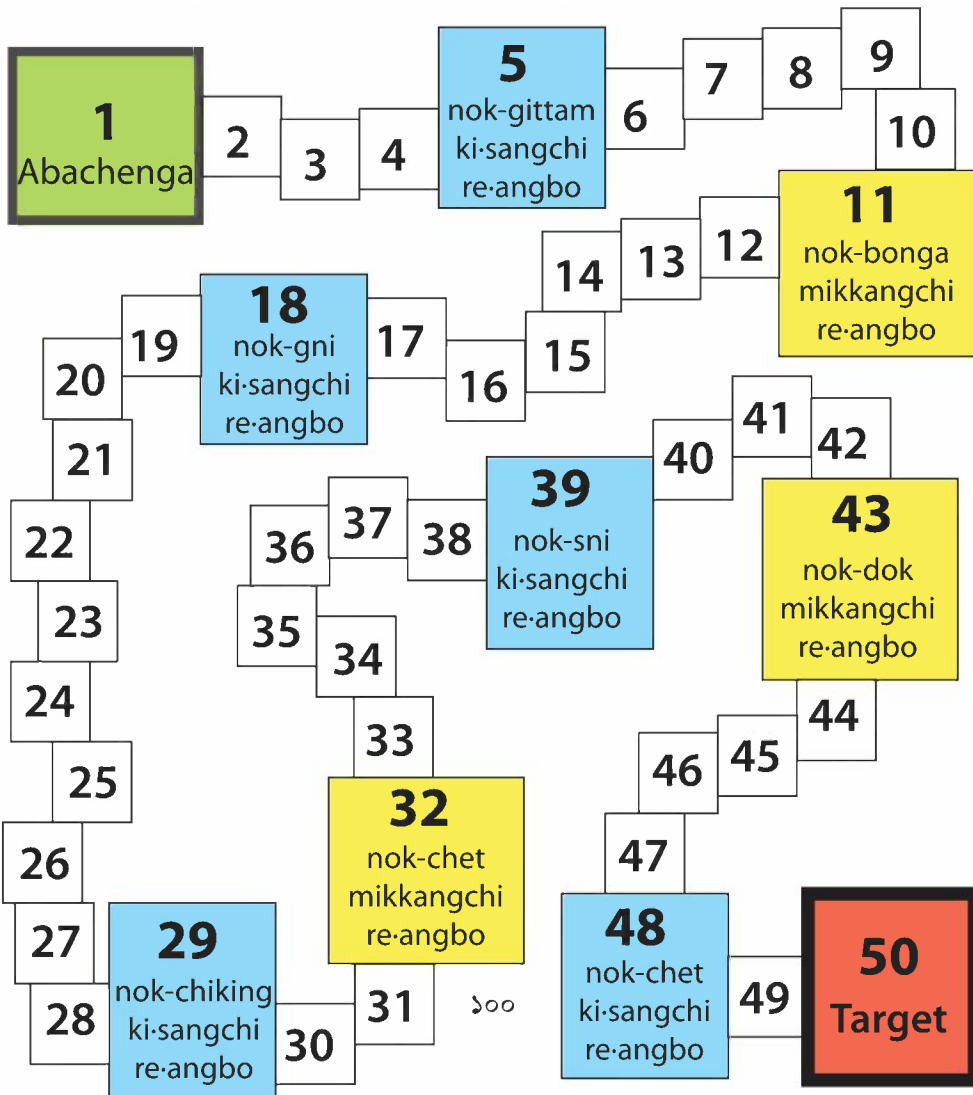
Bimung	Kal•a 1	Kal•a 2	Kal•a 3	Kal•a 4	Kal•a 5	○-ni gimik nombor



SEDAPANGKUANI 4 : BOARD KAL·A

MAI DAKE KAL·GEN

Sak gni-oni sak bri-ona ba ia kal·ako apsan dake kal·na man·gen. Iako kal·na ludu gutti aro kottura nanggen. Ro·ong, Leka, kenchi kal·ao sawa Sa·gipa aro Sawa Gni·gipa uako tik ka·ana man·a. Ludu kal·o jean bang·e nomborko man·gen uan mikkangchi re·anggen, noksao pinikagita daken kal·a choligen. (Je ka·e – 5-oni noko ga·akahaode nok·gittam ki·sangchi re·angna nanggen.) Ian dake jean skang bonkamao sokgen uan am·gen.



২০২২ শিক্ষাবর্ষের জন্য
গারো ভাষায় রচিত, ১ম-গণিত



সদা সত্য কথা বলিবে



জাতীয় শিক্ষাক্রম ও পাঠ্যপুস্তক বোর্ড, বাংলাদেশ

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার কর্তৃক বিনামূল্যে বিতরণের জন্য