

# **MATHEMATICS**

**Part - 2**

**Standard II**



**Government of Kerala**

**DEPARTMENT OF EDUCATION**

**2015**

**State Council of Educational Research and Training (SCERT), Kerala**

## THE NATIONAL ANTHEM

Jana-gana-mana adhinayaka, jaya he

Bharatha-bhagya-vidhata.

Punjab-Sindh-Gujarat-Maratha

Dravida-Utkala-Banga

Vindhya-Himachala-Yamuna-Ganga

Uchchala-Jaladhi-taranga

Tava subha name jage,

Tava subha asisa mage,

Gahe tava jaya gatha.

Jana-gana-mangala-dayaka jaya he

Bharatha-bhagya-vidhata.

Jaya he, jaya he, jaya he,

Jaya jaya jaya, jaya he!

## PLEDGE

India is my country. All Indians are my brothers and sisters.

I love my country, and I am proud of its rich and varied heritage. I shall always strive to be worthy of it.

I shall give respect to my parents, teachers and all elders and treat everyone with courtesy.

I pledge my devotion to my country and my people. In their well-being and prosperity alone lies my happiness.

**State Council of Educational Research and Training (SCERT)**

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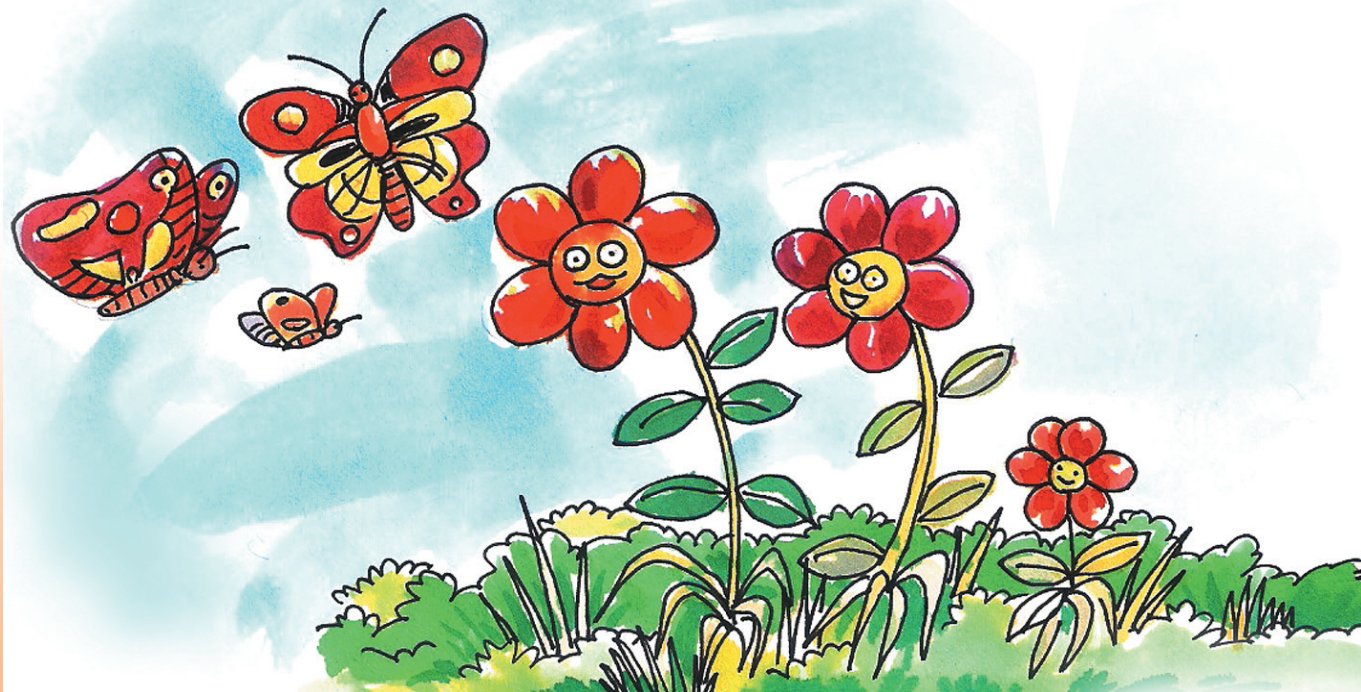
Dear Children,

We have learnt many things  
In Mathematics  
The wide world of math  
Is before us to explore  
Along with our friends  
Let's sing songs,  
Tell tales, play  
Also think  
And get new math

With love

**Dr. S. Raveendran Nair**

Director  
SCERT Kerala



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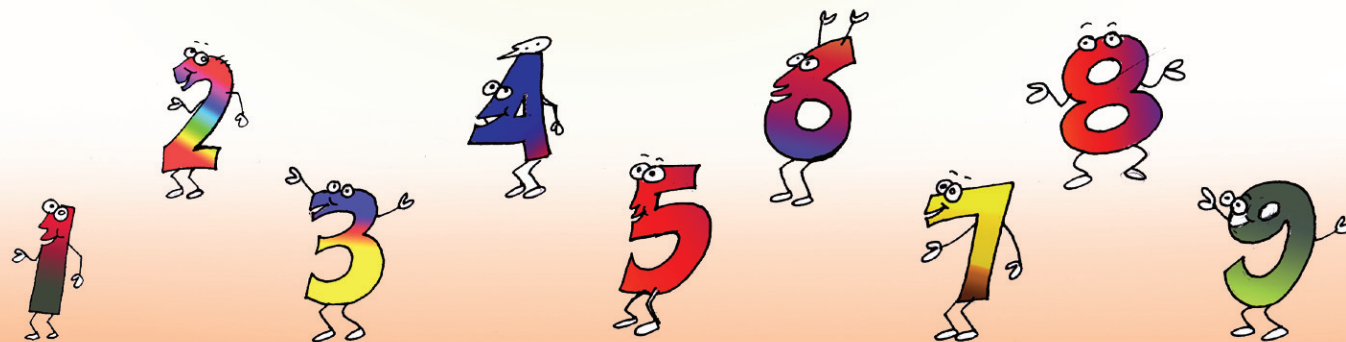


State Council of Educational Research and Training (SCERT)  
Vidya Bhavan, Poojappura, Thiruvananthapuram - 695012



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5

# Jungle our Home



Trappers and hunters at the forest's edge!

The animals were frightened.

King Lion called a meeting

"We must stop the enemies.

None should enter the forest".

"Right" everyone agreed.

"Some of us must keep watch", Said the king .

"Some winged ones too as guards"

added an old elephant.

"Who will make a list of guards?" asked the king.

## Listing guards

They asked the monkey to make a list  
See how many came forward.

Lions	30
Leopards	26
Tigers	25
Elephants	42
Vultures	52
Eagles	41



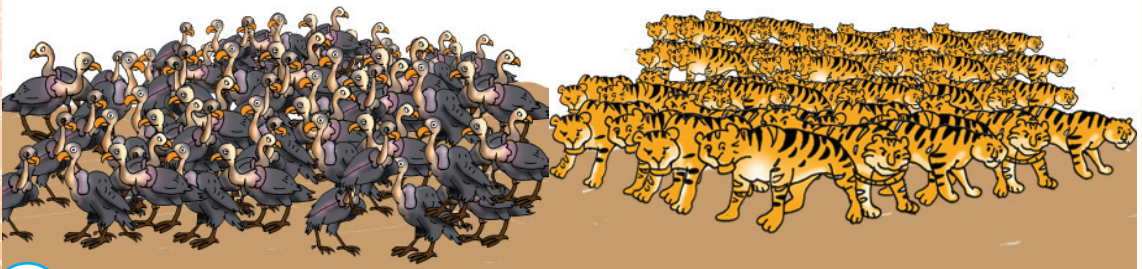
Write in order from the least to most.

Animals who agreed						
Numbers						

## Selection

The King Lion selected the guards.  
See how many of each

Lion	18
Leopard	17
Tiger	16
Elephant	34
Vulture	33
Eagle	32





From 26 leopards , 17 were selected

How many were left out?

How do we find out?

Subtract 17 from 26

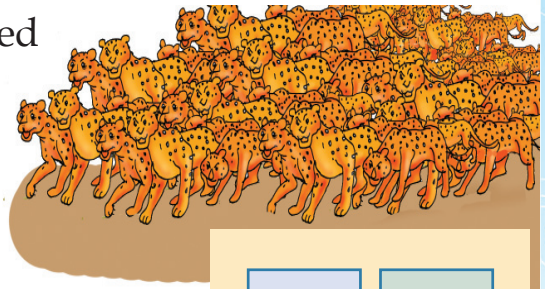
First subtract 10 from 26, and then 7

10 subtracted from 26

7 subtracted from 16

That is  $26 - 17 =$

No of leopards left out = .....



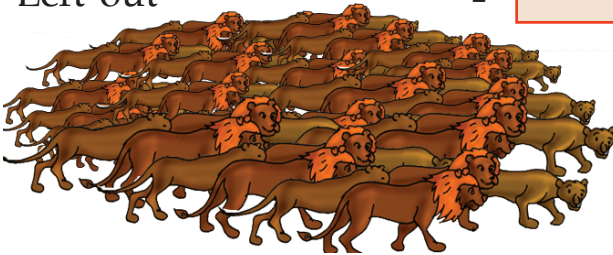
26-	16-
10	7
<hr/>	<hr/>
16	9
<hr/> <hr/>	<hr/> <hr/>

- From 30 lions, 18 were selected. How many lions were left out?

Total number of lions =

Selected =

Left out =



Any other way to subtract 18 from 30?

**How many left out?**

*How Nandana found out*

$20 + 10 -$	$30 -$
$10 + 8$	$18$
<hr/>	<hr/>
$10 + 2 = 12$	<hr/> <hr/>

Tigers	Elephants	Vultures	Eagles
$25 -$ $16$ <hr/> <hr/>			

## Going together

Two groups keep guard each day, 50 in all.

Which two groups below together make 50?



18



17



16



33



34



32

Lion	18
.....	...
<b>Total</b>	<b>50</b>

<b>Total</b>	

<b>Total</b>	

“Our enemies are still there. We must keep on watching  
The guards need not leave their post for meals.

We will make food for them” said the lion.

Some were ready to do this. See the table

Write in order from the most to least

Deer	62
Fox	50
Rabbit	86
Squirrel	48

<b>Cooks</b>				
<b>Number</b>				

- On the first day 47 deers and 27 foxes went to collect firewood. The others made food. How many did the cooking?

Deers

Foxes

- On the second day, 70 rabbits and 32 squirrels prepared food. The others went to collect fire wood. How many went to collect firewood?

Rabbits

Squirrels

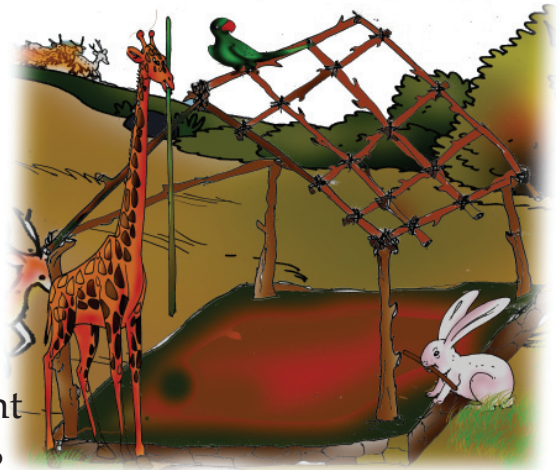
## Making a kitchen

They need a big kitchen to make food.

Who are building the kitchen?

Giraffes, rabbits, parrots.

34 sticks are needed. They brought 18. How many more are needed?




“A long one is needed at the top”-said the parrot.

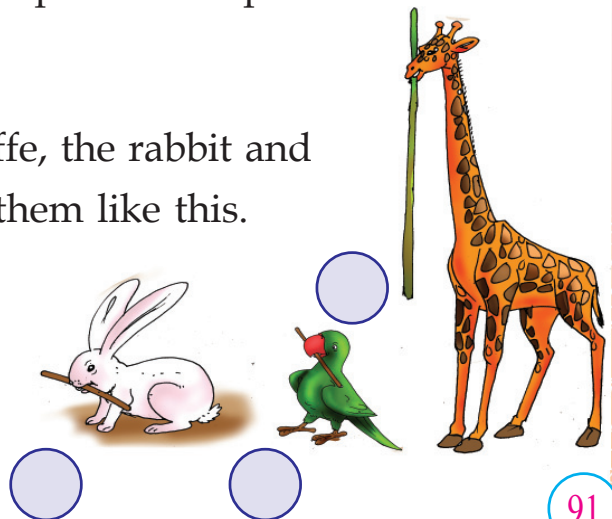
## Long and short

See the sticks which the Giraffe, the rabbit and the parrot brought. Number them like this.

1 for the longest

2 for the next in length

3 for the shortest



## Let's find the length

### Measuring with hand

Which is longer, the table or the black board in your class?

Let's measure them.

As in the picture, you can measure with your hand

Length of table \_\_\_\_\_ handspan

Length of board \_\_\_\_\_ handspan

Which is longer?

### Measure with foot

Which side of your classroom is longer?

Measure it with your foot.

Length of first side \_\_\_\_\_ foot.

Length of second side \_\_\_\_\_ foot.

Which side is longer? How much longer?  
\_\_\_\_\_ foot.

Did everyone get the same length?

Why?

### Measure with a stick

Measure the length of your school building with a stick.

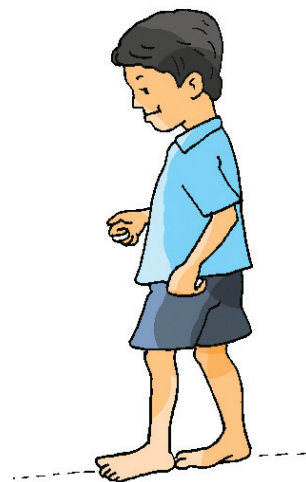
What length did you get? \_\_\_\_\_ stick.

Did all of you use sticks of the same length?



### Handspan

*In ancient times, lengths were measured by a hand with fingers spread out as in the picture. This length is called a handspan or simply a span.*



### Foot steps

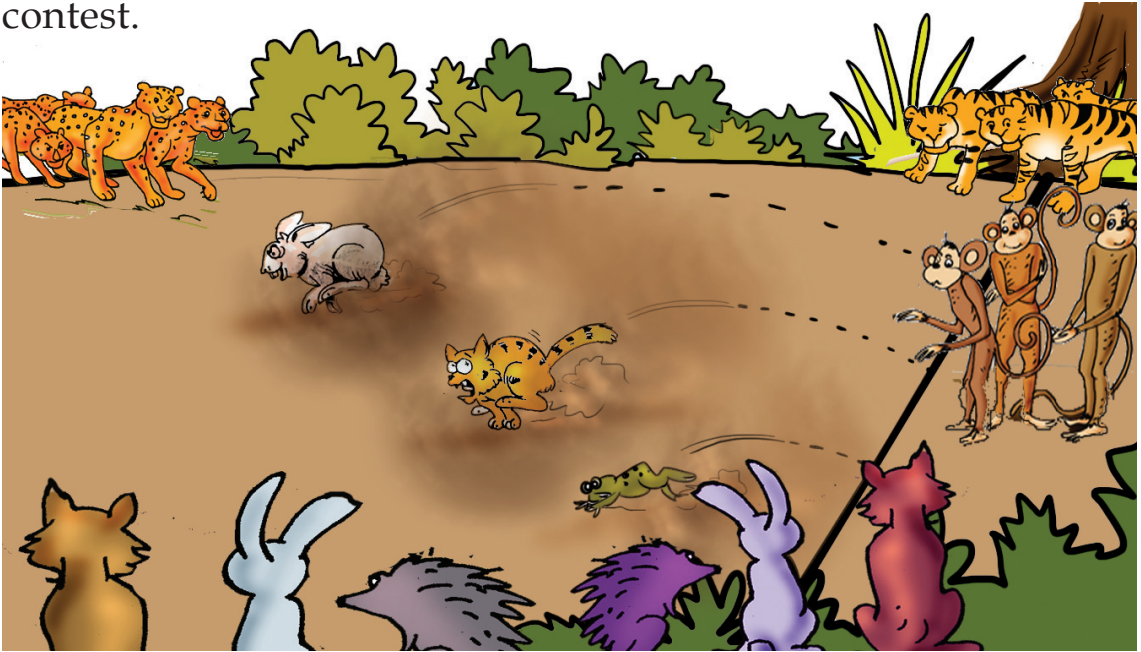
*Long back, people used to measure lengths by using their feet also.*

## Can you find out?

- Which is the longest bench in your class?
- Which of the two lines drawn on the board is longer?

## Jumping competition

While grown ups were building a kitchen, kids had a jumping contest.



Who among you can jump the farthest?

Let's have a jumping contest

Have a stick to measure distance

write the names of the best four and the distances they jumped.



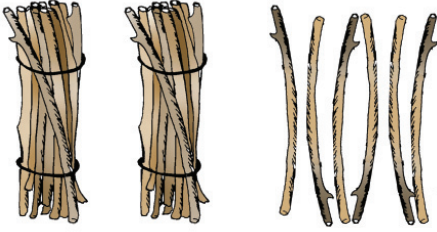
	Name	Distance
1.	.....	..... sticks
2.	.....	..... sticks
3.	.....	..... sticks
4.	.....	..... sticks

# Firewood

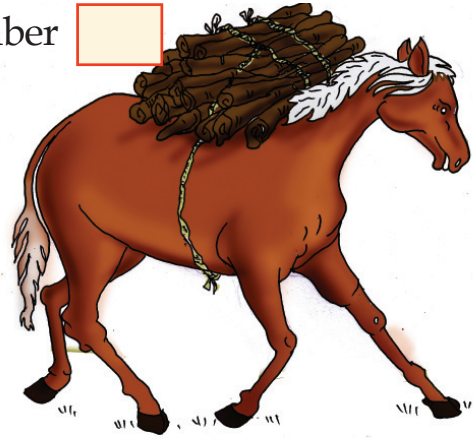
Not much firewood left for cooking. An elephant, a horse, a donkey and a camel went to bring firewood

They made many bundles each with 10 twigs.

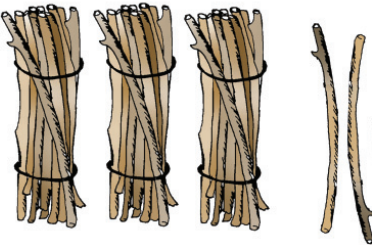
This is what the horse brought



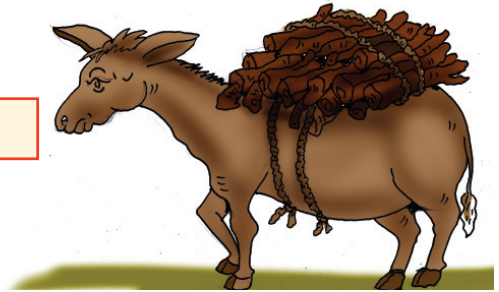
Number



What the donkey brought:



Number



How many pieces did the horse and the donkey bring together?

*How do we find out?*

*20 and 30 make 50*

*6 and 2 make 8*

*50 and 8 make 58 in all.*

$$20 + 6$$

$$30 + 2$$

---

$$50 + 8$$

---

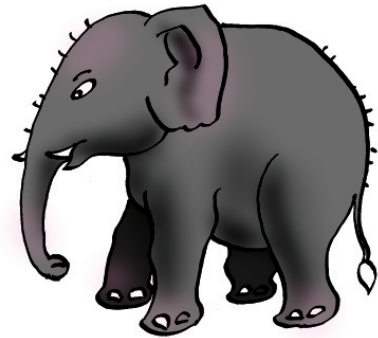
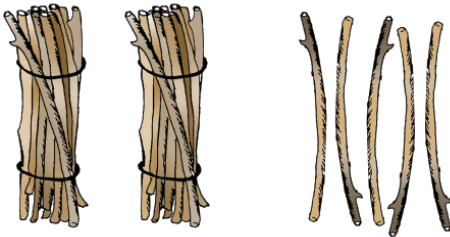
How about doing it like this?

Ten	One
2 +	6 +
3	2
<hr/>	<hr/>
<b>5</b>	<b>8</b>
<hr/>	<hr/>

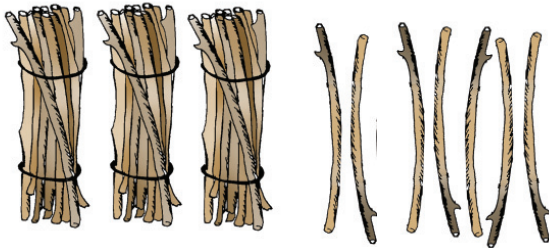
We can add  
without writing  
Ten and One.

$$\begin{array}{r} 26 + \\ 32 \\ \hline 58 \end{array}$$

The elephant and the camel came next



Elephant



Camel



How many pieces did they bring together?

$$20 + 30 = 50$$

$$5 + 7 = 12$$

$$\text{Total} = 50 + 12$$

$$= 50 + 10 + 2$$

$$= 60 + 2$$

$$= 62$$

Ten	One
2 +	5 +
3	7
<b>5</b>	<b>12</b>

*12 means 10+2.  
That is one ten  
and two ones*

Ten	One
2 +	5 +
3	7
<b>1</b>	<b>12</b>
<b>6</b>	

*The one ten  
in 12 is added  
to the tens*

25 +
37
<b>62</b>

## How many?

- The elephant brought 18 pumpkins and the deer brought 13. How many pumpkins did they brought together?

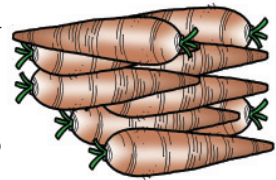
Ten	One

Elephant

Deer

Total

- Rabbit brought 26 carrots and monkey brought 28. They put them in a sack. How many carrots are there in the sack?





## Adding herds

The circus people dodged the guards and trapped a fawn.

The deers decided to ask king Lion for help.

The foxes standing guard saw two herds of deer coming to see the king.



What can we say about the total? Mark the correct one with a ✓

Less than 20

20

more than 20

## Guess and tell

Put a ✓ mark against the right one.

- 38 and 23 give
- 16 and 55 give
- 46 and 18 give

less than 60

60

more than 60

less than 70

70

more than 70

less than 60

60

more than 60

We must chase the raiders out of the forest. Can't live in fear always.

All the guards came together

Swarms of bees and hornets too.

They marched to the forest's edge

The invaders were shocked to see the huge army of animals.

They ran for their lives



### Same answer

Which two numbers added gives the same answer?

25

16

26

15

17

## Let's find the correct one!

Rahul gave 15 gooseberries to Abu and Sunil gave him 6. How many gooseberries did Abu get in all?

See how some children did this.

$$\begin{array}{r} 15+ \\ 6 \\ \hline 111 \end{array}$$

Rani

$$\begin{array}{r} 15 + \\ 6 \\ \hline 75 \end{array}$$

Nandu

$$\begin{array}{r} 15+ \\ 6 \\ \hline 21 \end{array}$$

Shaji

$$\begin{array}{r} 15+ \\ 6 \\ \hline 11 \end{array}$$

Jinu

$$\begin{array}{r} 15+ \\ 6 \\ \hline 211 \end{array}$$

Sonu

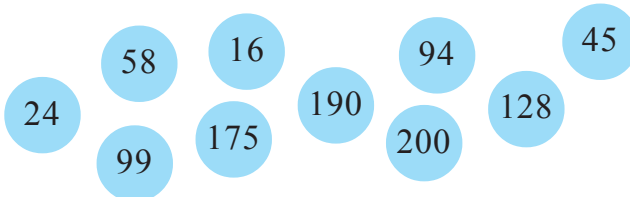
Whose answer is correct?

Discuss each answer.



## Let's do it!

1. Arrange the numbers from largest to the smallest.



○ ○ ○ ○ ○ ○ ○ ○ ○ ○

## 2. Brain work

- 10 subtracted from 99
- 10 added to 99
- 10 subtracted from 105
- $120 - 20 =$
- $108 + 10 =$
- $109 - 9 =$
- $109 - 10 =$

## 3. Find pairs

Two numbers with sum 30

15	25	11	10	19	29
21	1	20	5	15	9

Write the pairs you have found

- \_\_\_\_\_, \_\_\_\_\_
- \_\_\_\_\_, \_\_\_\_\_
- \_\_\_\_\_, \_\_\_\_\_
- \_\_\_\_\_, \_\_\_\_\_
- \_\_\_\_\_, \_\_\_\_\_
- \_\_\_\_\_, \_\_\_\_\_

## 4. Find the lengths using a pencil

- Length of bench  pencils
- Length of the hand of your friend  pencils

5. Achu and Devika have the same birthday. Achu gave books worth 38 rupees and Devika gave books worth 36 rupees to the school. How much is the total worth?



6

# Many A Drop Make An Ocean

Today Sabeena teacher asked us to do **January**  
experiments with water.

**12**  
Tuesday

- My group did a lot of experiments

I liked them all.

- We were asked to guess which of the  
two buckets had more water.

Later we found my guess was correct.



Read Mayookha's diary?

How do you think she found that her guess  
was correct?

## Which contains more?

See the buckets teacher brought to your class.  
Which can hold more water?

My guess

Is your guess right? How do we check?

Let's measure.

My guess was

*Right*

*Wrong*

## Watering the plants

- A cup of water for each plant. How many plants can be watered with one bucket?

My guess

- Split you class into groups of four or five
- Each group takes a bucket and a cup; all cups should be of the same size.
- Fill the bucket with water
- Pour one cup of water for each plant.



- Is there any difference between the guess and the actual numbers?
- If so, how much?
- How many plants did each group water? Are the numbers the same? Why?

Mayookha remembered what teacher said about water.

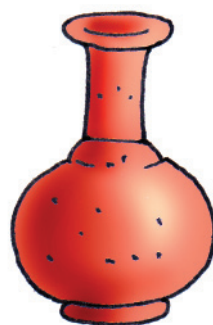
*To be healthy  
drink enough water*



- In what kind of vessel is water stored in the class?
- Is it enough for everyone in the class?
- How many glasses of water does the vessel in your class contain?

My guess

When measured



## Drinking water

How many glasses of water do you drink each day?

*Kids need to drink 12  
glasses of water every day;  
and adults 18 glasses.*

*For father and  
mother 18 glasses each;  
For me and brother  
12 glasses each.*

In Mayukha's home, there is her father, mother and elder brother. How many glasses of drinking water do they need each day?

For what other things do we use water?

- For bath
- For watering the garden
- For cooking
- For farming
- 
- 



## In my home

How much water does your family use each day? Find out and fill in the table.

Purpose	Amount (in buckets)
<b>Total</b>	

- Are the amounts the same?
- Compare with your friends.
- Whose family uses more water?





## Water usage

See the amount of water used in the last two days at Hasna's and Miya's homes.

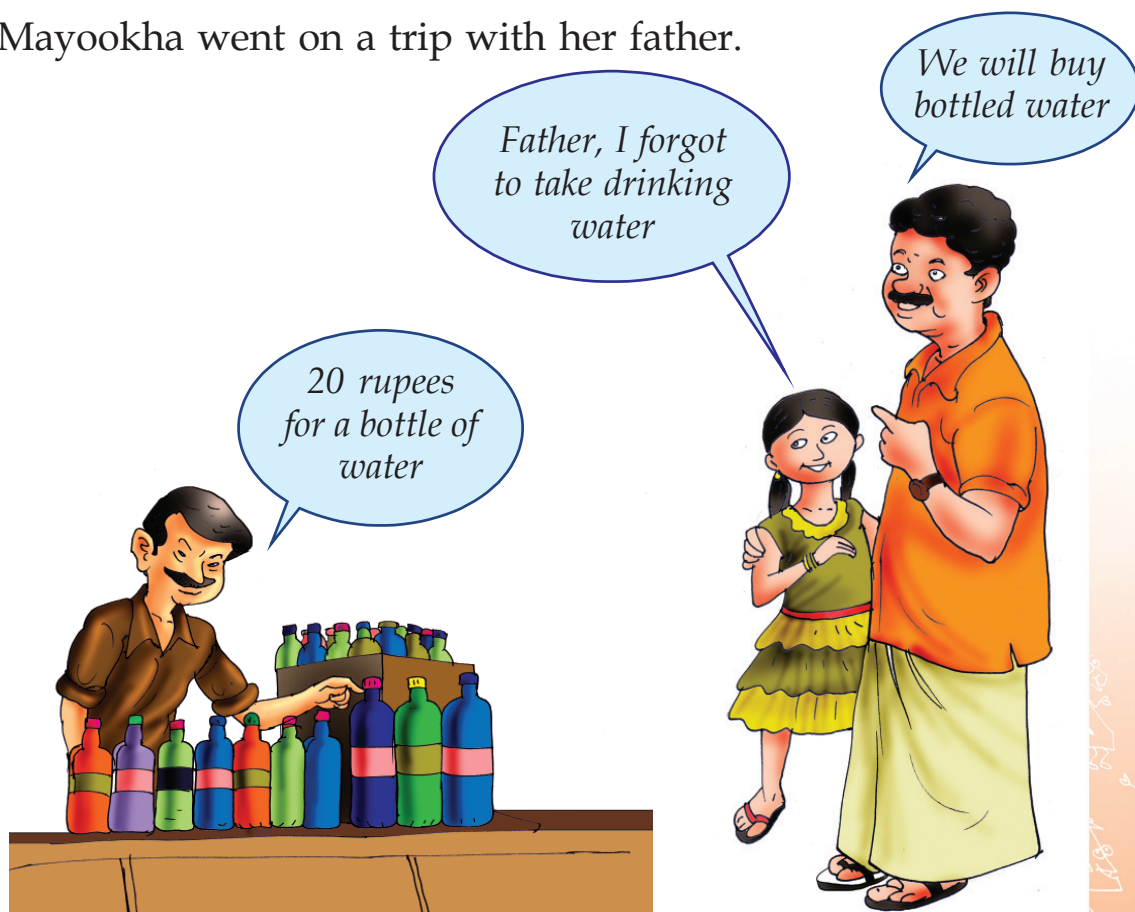
- Hasna used 46 vessels water for household chores and 36 vessels for watering vegetable.
- Miya used 33 vessels for household chores and 58 vessels for watering vegetable.
- How many vessels in all did each use?

Hasna

Miya

## Price of water

Mayookha went on a trip with her father.



Mayookha's father bought 2 bottles of water

Gave 100 rupees to the man.

How much will he get back?

Father gave her 32 rupees.

Three 10 rupee notes and two one rupee coins.



She bought snacks for 13 rupees.

How much was left?

Father gave  rupees

Given to the shop  rupees

How will you give 13 rupees?

Need one more 1 rupee coin.

What to do?

*Must give one ten rupee note and three one rupee coins.*



*Change one ten rupee note.*

*32 rupees is 2 ten rupees and 12 one rupees.*

*Now I can give one ten rupee and 3 one rupees.*

*Then 1 ten rupee and 9 one rupees left 19 rupees.*



What Mayookha has:



$$20 + 12$$

What she gave:



$$10 + 3$$

What is left:



$$\begin{array}{r} 20 + 12 - \\ 10 + 3 \\ \hline 10 + 9 \\ \hline \hline \end{array}$$

Let's write this using only numbers.

Ten	One
3	2 -
1	3



Ten	One
2	12 -
1	3
1	9

## Bottled water

On Monday Sibimon's shop got 100 bottles water.

The table below gives how many bottles he sold each day of that week. Fill in the blanks.



Day	Number of bottles	Sold	Remain- ing
Monday	100	10	90
Tuesday	90	14	
Wednesday		17	
Thursday	59		43
Friday		9	
Saturday	34	18	

The number of bottles remaining on Tuesday is  $90 - 14$ , right?

How do we do this?

Write 90 as

$80 + 10$  and 14 as  $10 + 4$  and subtract.

$$\begin{array}{r} 80 + 10 - \\ \underline{10 + 4} \\ \underline{\underline{70 + 6}} \end{array}$$

Ten	One	
8	10 -	90 -
1	4	<u>14</u>
7	6	<u><u>76</u></u>

- How many bottles of water are left after Saturday's sale?

# Rain calendar

Water shortage becomes worse every year.



The rainy days of June are marked in my calendar.

See the rain calendar Mayookha has made.

2015 JUNE						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				



How many days are in June?

How many rainy days?

How many sunny days?

Which is more, rainy days or sunny days?

## From the calendar

How many days are there in each month?

Look in a calendar and write in the table.

Month	No. of days
January	31
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

How many months are there?

## Calendar Math

2016 JANUARY						
SUN ഞായർ	MON തിങ്കൾ	TUE ചൊവ്വ	WED ബുധൻ	THU വ്യാഴം	FRI വെള്ളി	SAT ശനി
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

2016 FEBRUARY						
SUN ഞായർ	MON തിങ്കൾ	TUE ചൊവ്വ	WED ബുധൻ	THU വ്യാഴം	FRI വെള്ളി	SAT ശനി
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29					

3	4
10	11

$$3 + 11 = \square$$

$$10 + 4 = \square$$

Like this, mark four numbers in a square and add diagonally what do you see?

## Summer

Wells and canals in Mayookha's village are drying up. A tanker arrives with drinking water. A Long queue of 45 people await to get water. Mayookha's mother is the 27<sup>th</sup>. There's no more water after her. How many are left without getting water?



### Let's do!

- Sabu has 35 rupees with him. He bought a pen and a pencil for 19 rupees. How much does he have now?
- Kiran bought a note book for 13 rupees and a box for 47 rupees. What is the total?
- In a dice game, Sisily got 72 points and Jiji got 54 points. How many points more than Jiji did Sisily get?
- Aleena has 43 gooseberries. She gave 18 to Rani and 17 to Shiji. How many are left?
- Arshad bought bananas for 38 rupees and biscuits for 14 rupees. He gave 60 rupees to the shopkeeper. How much would he get back?

## Complete the pattern

- 83, 73, 63,
- 52, 54, 56,
- 45, 50, 55,

Make your own pattern like this.

•

## Who is hiding?

Find the answer to the questions below.

Find the parts in the picture with these numbers.

Colour these parts to find out who is hiding.

$32 + 54 =$

$99 - 12 =$

$23 + 12 + 34 =$

$20 + 10 + 50 =$

$13 + 5 + 41 =$

$62 - 19 =$

$94 - 28 =$

$25 + 45 =$

$12 + 66 =$

$89 - 31 =$

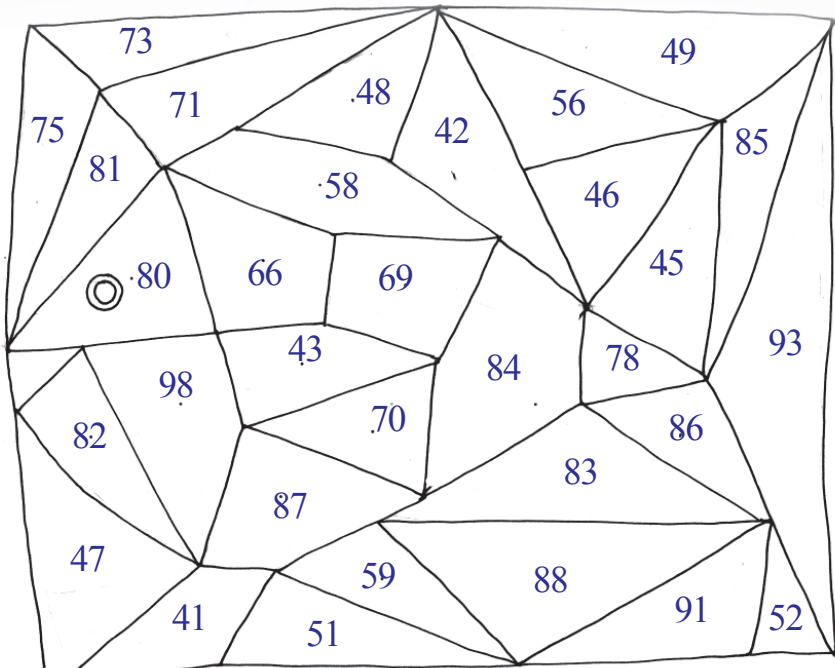
$15 + 21 + 9 =$

$70 - 22 =$

$26 + 56 =$

$37 + 47 =$

$34 + 64 =$







# So Tasty !

Meenu chechi will come tomorrow.



Let's make a feast!

Must have many dishes. And payasam too!



We 'll use only these vegetables from our garden.



Yes! Vegetables without insecticides!

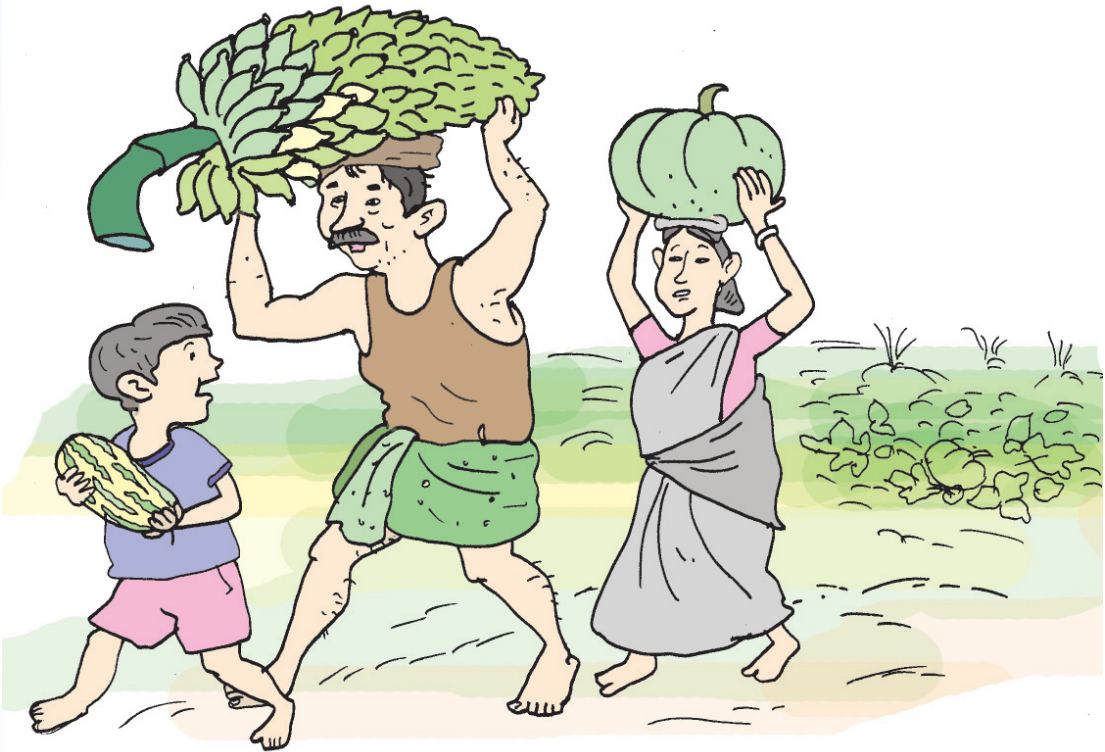


## Making a feast

See the vegetables Joby and Jency picked from the garden.

Father and mother took Jobi to the garden. See them bringing vegetables.

More vegetables from the garden!



Is it heavy, Joby?

No, I shall manage



Which one in the picture weighs the most?

And the least?



## Things in the bag

Picture shows the things in Joby's school bag.



List them in the order of their weights from largest to least.

Write the things in your bag in order from the heaviest to the lightest.

## Let's weigh

What appliances are there in your home?

Write the names of four.

- 
- 
- 

Are their weights the same?

Write them in the order of their weights.

## Guess and find

See the things the teacher has put on the table. Write them in the order from the heaviest to the lightest.

My guess

How to check whether the guess is correct?

- 
- 

Take each of them in hand and write in the order of their weights.



## To the shop

More things are needed to make a feast.  
Joby and father went to shop.

Rice 2 kilogram  
Sugar 1 kilogram  
Onion 1 kilogram



### Price list

Items	Price (Per kg)
Rice	35 rupees
Mung	35 rupees
Chilli	75 rupees
Onion	34 rupees
Salt	10 rupees
Vermicelli	35 rupees
Sugar	31 rupees
Nuts	60 rupees

What are the things Jony and father bought?

What is the total cost?

- Rice 2 kg
- Sugar 1 kg
- Onion 1 kg
- Total cost



These are the notes Johny's father gave

How much did he gave?



Will he get back anything?  How much?

## Changing Notes

There are some more things to buy. And a 100 rupee note is to be changed. In what ways can a 100 rupee note be changed, using notes like those below?



What I found



What my friend found



## What Ammu bought

His friend Ammu also came to buy things. She bought 1 kilogram of chilli and 1 kilogram onion

How much must she pay?

Which notes and coins can she give?

One way

Another way



## When Meenu came

Meenu came the next morning. She had brought gifts for Jobi and Jancy. Both of them happily unwrapped them.

“Hey toys! How much for the doll?, Sister?”

“You find from the bill”, Meenu said

The bill was torn.

What is the price of the doll?

Find out!

Bill	
Item	Price
Doll	
Ball	28
Car	25
<b>Total</b>	<b>72</b>

Jancy and Joby had their lunch with Meenu. “Really good. Delicious dishes!”, Meenu said.

## Number mystry

Write any two consecutive two digit number (say, 35, 36)

Change the position of digits in each number.(53, 63)

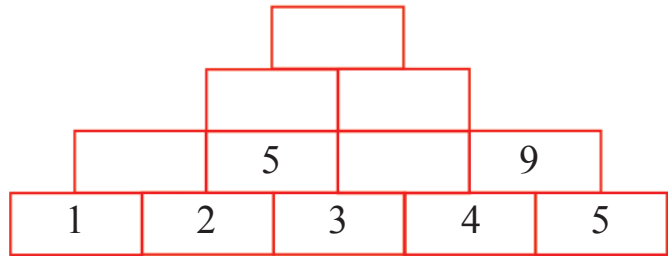
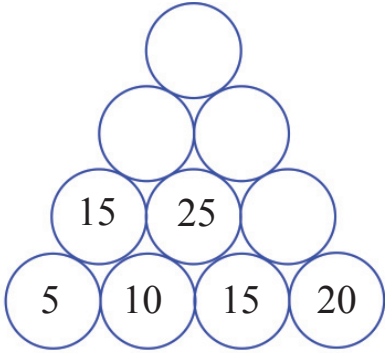
Subtract the smaller number from the larger.

$$63 - 53 = \boxed{\phantom{00}}$$

Try with more pairs.

What do you see?

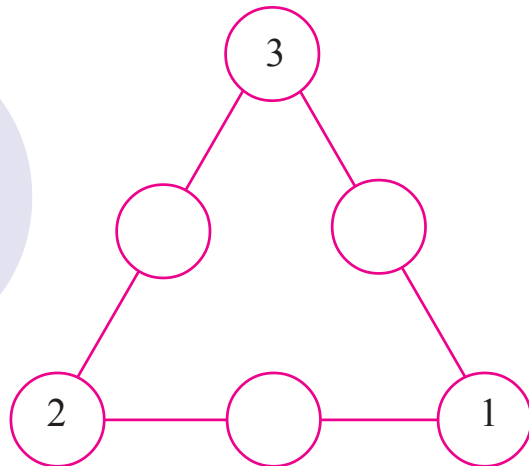
## Number towers



What specialty have you found in each?

## Find and write

*The three numbers on each side must add up to 9. Write the missing numbers.*





**Let's do!**

## Complete the number square

+	30	35	40	45	50
55	85			100	
60		95	100		
65		100	105		
70	100			115	
75					125

### Fruit shop

- Joby brought 1 kilogram of apple for 80 rupees and 1 kilogram of orange for 50 rupees. How much must be paid?

### How many?

- Gireesh brought two cakes at 95 rupees each. How much should he pay for both? Gireesh gave two 100 rupee notes. How much would he get back?
- Rethu and her father had their tea and snacks for 28 rupees and gave 50 rupees. How much would they get back?



## Bananas

Reena's father brought a large bunch of unripe bananas from the garden. Reena counted the bananas. 9 hands of 10 bananas each and one hand of 6. How many bananas are there in all? 26 of them were cooked. The remaining were kept aside to ripen. How many are these?

## Find the price

Shiyon and Shahid bought some things.

### Shiyon bought

Sugar	1 kg	
Rice	1 kg	33 rupees
Atta	1 packet	35 rupees
	<b>Total</b>	<b>99 rupees</b>

### Shahid bought

Banana	1 kg	27 rupees
Atta	1 kg	35 rupees
Sugar	1 packet	
	<b>Total</b>	<b>rupees</b>

What is the price of one kilogram of sugar?

Who paid more?

How much more?



8

## One Journey, Lots of Facts

Dilna and her friend Nazia are planning for a study tour. Nazia wants to go to a zoo and Dilna to a park.

“No problem, we will go to both zoo and park. Now we will split each class into groups of 10. Each group must have a leader also”. Teacher said.

Children of Class 3 made 3 groups of 10 each.



How many children from Class 3 are in the trip?



$$10 + 10 + 10 = 30$$

Class 4 students turned in to 5 groups of 10 each.

So, how many children from Class 4 participated in the trip?

5 groups of ten each.

Add 5 tens together.

$$10 + 10 + 10 + 10 + 10 = 50$$

Children of Class 1 and Class 2 are also there.

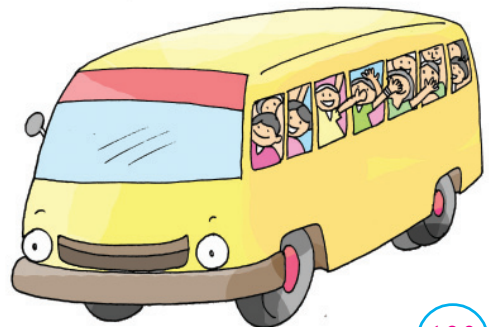
The two classes together became two groups.

How many groups in all?

3 groups from Class 3.

5 groups from Class 4.

2 groups from Class 1 and Class 2 together.



10 groups in all.

$$10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 = 100$$

Now fill up the table.

$$10 + 10 = 20$$

$$10 + 10 + 10 =$$

$$10 + 10 + 10 + 10 =$$

$$10 + 10 + 10 + 10 + 10 =$$

$$\dots\dots\dots = \dots\dots$$

$$\dots\dots\dots = \dots\dots$$

$$\dots\dots\dots = \dots\dots$$

$$\dots\dots\dots = \dots\dots$$

$$\dots\dots\dots = 100$$

- Father gave Dilna 4 ten rupee notes.  
Nazia's father gave her 3 ten rupee notes.  
How much did they get together?

*4 ten rupees and 3 ten rupees together make 7 ten rupees. So, 70 rupees*



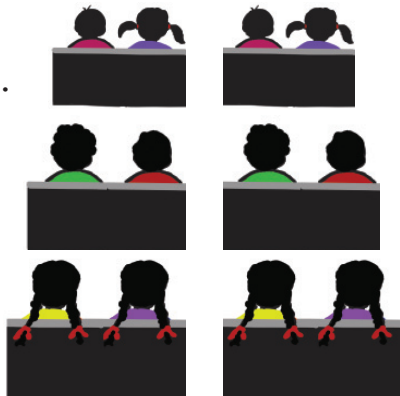
### Kingini Travels

The journey is in Kingini Travels bus.

The bus started at 9 O' clock.

Children of Class 1 are in the front seats.

See the picture.



Number of children in one seat

So 6 groups of 2 each. How many in all?

$$2 + 2 + 2 + 2 + 2 + 2 = \text{  }$$

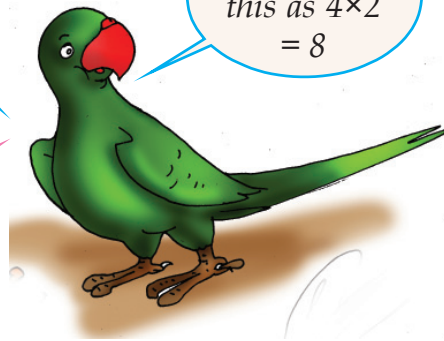
Children of Class 2 sit behind them, 2 each in 4 seats.

How many from class 2? 4 groups of 2 each.

$$2 + 2 + 2 + 2 = 8$$

*Four two's  
added together  
makes 8*

*This is read  
as four times two is  
eight.*



How many Class 1 and class 2 children went for the trip?

Ten seats of two each.



2 Ten two's added together gives

$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2$$

$$10 \text{ times } 2 = 10 \times 2 = 20$$

## Motorcycle rally

They saw a motorcycle rally during the journey.



7 motorcycles. 2 persons each in a motorcycle.  
How many in all?

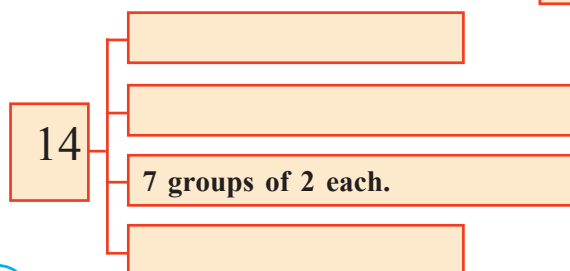
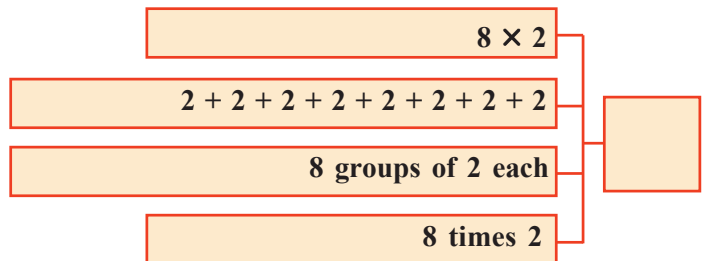
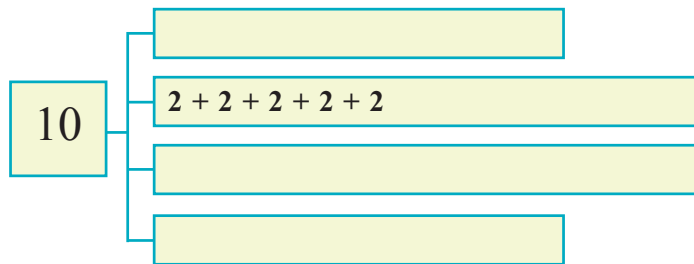
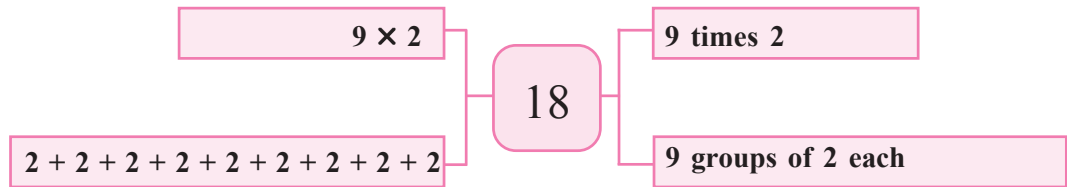
Number of motor cycles

Number of riders in each motorcycle

Total number =  $2 + 2 + 2 + 2 + 2 + 2 + 2 =$

7 times 2 =  $7 \times 2 =$

### Write as shown



## Buying candy

Dilna and three friends bought two candies each. How many candies are there in all? The price of one candy is two rupees. For how much did they buy candies altogether?

## In the teashop

Time is 11 O'clock. The bus stopped. "Let's have tea" Teacher said.

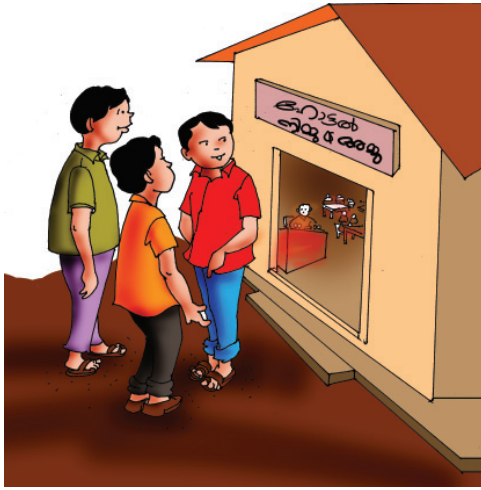
They entered the hotel. There are 5 chairs around each table. There are 4 such tables. How many can sit there?



- Number of chairs around one table
- Number of chairs around two tables
- Number of chairs around three tables
- Number of chairs around four tables

Inside, there are 3 small tables, each with 2 chairs. How many can sit there?

# Snacks



Price list	
Biscuit	2 rupees
Cake	2 rupees
Tea	5 rupees
Samosa	5 rupees
Banana fry	5 rupees
Vada	5 rupees
Neyyappam	10 rupees
Ilayada	10 rupees

From Joby's group, 4 ate cake and 6 ate Neyyappam.

How much did they pay?

Price of one cake 2 rupees

Price of 4 cakes =  $4 \times 2 =$   rupees

Price of one neyyappam = 10 rupees

Price of six neyyappam  $6 \times 10 =$   rupees

Total =  +  =  rupees

From Jafir's group, 4 had samosa and tea.

How much money did they pay?

**How I found out**

Price of 4 tea

Price of 4 samosa

Total

*Both tea and samosa cost 5 rupees each. So we need only to find  $8 \times 5$*

**How my friend found out**

Taking samosa and tea together we can take 10 rupees each for 4 persons



In Jafir's group, the remaining 6 ate only a biscuit each.  
How much in all did Jafir's group pay?

They continued the journey after tea. The bus reached zoo at 12 O'clock.

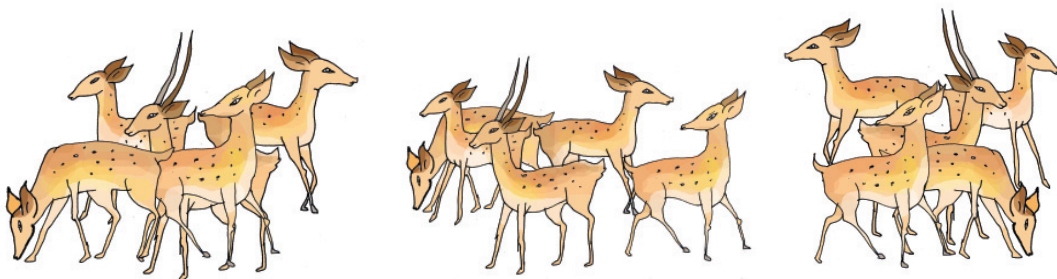
### In the zoo



How much is the cost of tickets for 10 children in Anamika's group?

A teacher and a parent is with each group. How many adults are there in the 10 groups together?

### Deer herds



3 herds of deers with 5 in each.














How many deers in all?

# How many parrots?

There are 2 parrots each in every ring.

How many parrots are there in each row?



Number of parrots	As multiplication
	
<p>2</p>	$1 \times 2 = 2$
	
<p><math>2 + 2 = 4</math></p>	$2 \times 2 = 4$
	
<p><math>2 + 2 + 2 = 6</math></p>	$3 \times 2 = 6$
	
<p><math>2 + 2 + 2 + 2 =</math></p>	$4 \times 2 =$
	
	
	
	
	
	
	
	
	

# How many are we?



4 groups,  
2 each. How many  
are we?

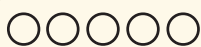


9 groups 2  
each. How  
many are we?



8 groups,  
2 each.  
How many are we?

$2 \times 5$




$5 \times 2$




Write the operation






Draw dots

$8 \times 2$

$4 \times 5$

## To the park

From the zoo they went to the park at 4 O' clock.



What a lot of vehicles!

Let me get into the train first!



10 children can ride in a coach.

How many can ride in 5 such coaches?



## Star game

*First throw a dice.  
Draw as many circles as  
the numbers thrown.  
Draw two stars in each  
circle. The one who gets  
maximum number of stars  
wins the round.*

You can also play this game. You can use vegetable printing for stars. Change the number of stars to 2, 5 or 10 also.

Dilna and friends played the star game.



How many stars did each get?

Dilna



Number of stars

$$2 \times 2 = 4$$

Joby



$$5 \times 2 =$$

Nazia



Anamika







Rashid



Who is the winner?

# Star

Fill in the empty boxes

	Number of stars	As Multiplication
	5	$1 \times 5 = 5$
	$5 + 5 = 10$	$2 \times 5 = 10$
		
		

Like this, how many stars are there in 7 circles with 5 stars in each?

And in 10 circles?

Draw circles using bangles.

Use vegetable printing for stars.

## Complete the table

Group of 5	Total
5	$1 \times 5 = 5$
$5 + 5 =$	$2 \times 5 = 10$
$5 + 5 + 5 =$	$3 \times 5 = 15$

## Buying beads

They bought some things before going back.

- Joby bought beads to decorate his cycle.  
6 packets of 10 each. How many beads did he get in all?
- He put the beads in 8 wires with 5 each in a wire. How many beads are left?

## What's the time?



It's now 5 O'clock.  
We must start back  
now, to reach home  
before dark.

Evening, So  
soon?



Tell the time

Starting of journey	
Tea	
At the zoo	
At the park	
Starting back	

Write the important things you do each day and the usual time of doing them



## Let's do!

### How muc back?

Nazia bought 3 pencils of 2 rupees each and 4 pens of 5 rupees each. She gave 50 rupees. How much would she get back?

## Is it enough?

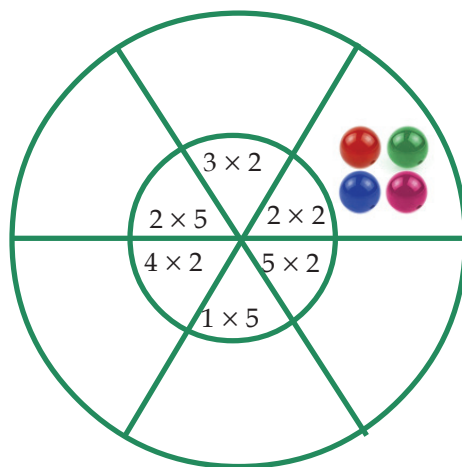
Jafir bought a toy of 35 rupees, 3 pencils of 5 rupees each and 3 balls of 10 rupees each. He has 100 rupees with him. Is it enough to buy these?

## How much?

Rashid bought 10 balloons of 2 rupees each. Dilna bought 2 bangles of 10 rupees each. How much did each spend?

## Draw beads

Draw beads to show the answers, as shown.



## Enjoy singing

*A flock of birds, on this tree,  
They're in pairs, can't you see?*

*On this branch, a single pair,  
Two little ones, look up there!*

*On this branch, pairs two, Four in all,  
counting anew!*

*On this branch, pairs three, Six in all,  
don't you agree?*

*On this branch, pairs four,*

.....

.....