

Government of Tamilnadu

STANDARD THREE

TERM II Volume 2

MATHEMATICS

SCIENCE

SOCIAL SCIENCE

NOT FOR SALE

Untouchability is Inhuman and a Crime

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CONTENTS

	MATHEMATICS	(1-55)
Unit	Topic	Page No.
1.	MULTIPLICATION	2
2.	DIVISION	31
3.	LENGTH	41
4.	WEIGHT	47
5.	CAPACITY	51

	SCIENCE	(56-101)
Unit	Topic	Page No.
1.	HEALTHY FOOD	58
2 .	SIMPLE MACHINES	71
3.	HEALTHY FOOD HABITS	80
4.	LET US DO	92

MATHEMATICS

STANDARD THREE
TERM II



MULTIPLICATION

1. Identify the number of items in each group.



A group of



hens



A group of



flowers



A group of



books

These are the groups with different number of items.



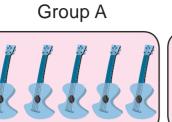
List some group of items in different numbers.

Example

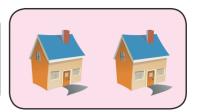
A group of 10 Mangoes

1.	
2.	
3.	
4.	
5.	

2. Identify the groups with equal number of items.



Group B



Group C

Group D



Group E



The groups



and

have equal number of items.



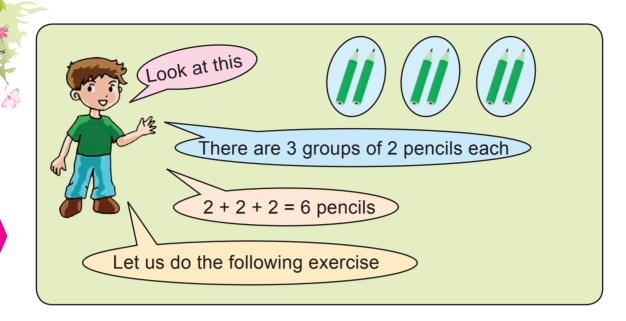
List some pair of groups with equal number of items.

Example

A group of 3 locks ; A group of 3 keys

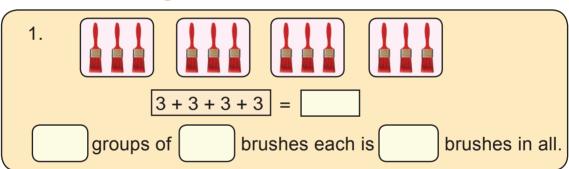
A group of 5 pencils ; A group of 5 erasers

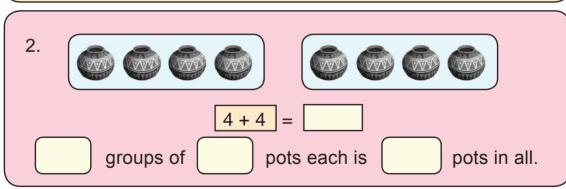
1.	
2.	
3.	
4.	
5.	





Fill in the following





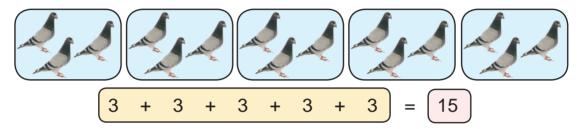
When each group has the same number of items, to find the total number of items, we can use another method called **Multiplication.**



Multiplication is nothing but repeated addition.

'X' is the symbol used for multiplication

Multiplication fact



5 groups of 3 pigeons each is 15.

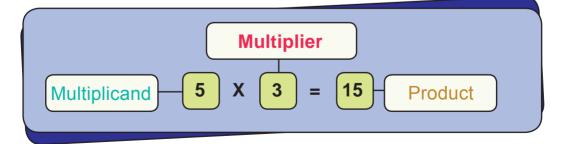
This can be written as $5 \times 3 = 15$

Number of pigeons in each group

5 X 3 = 15

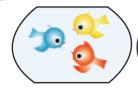
Number of groups

Total number of pigeons



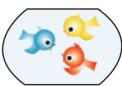
Note that we used multiplication instead of repeated addition

Example









Number of groups

4

Number of fish in each group

3

Number of fish in all

12

Addition fact

3+3+3+3 = 12

Multiplication fact

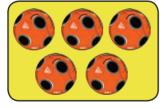
4 X 3 = 12

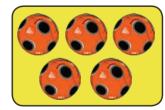


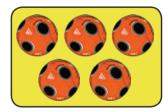
Exercise

Fill in:









Number of groups

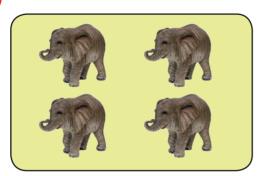
Number of balls in each group

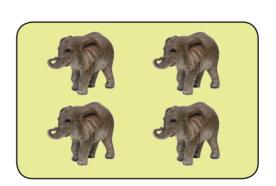
Number of balls in all

Addition fact

Multiplication fact

(2)





Number of groups

=

Number of elephants in each group

=

Number of elephants in all

=

Addition fact

=

Multiplication fact

=

(3) Rewrite the following multiplication facts into repeated addition.



1)
$$6+6+6+6+6 = 5 \times 6$$

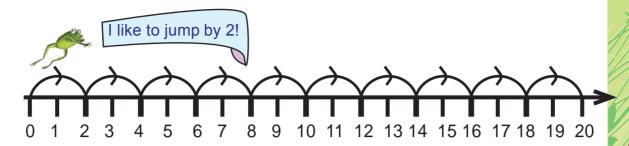
$$2) \boxed{9 + 9 + 9 + 9} = \boxed{4 \quad X}$$

Construction of multiplication tables



One box of 2 stars	Addition facts	Multiplication facts
	2	1 x 2 = 2
***	2+2	2 x 2 = 4
**	2+2+2	3 x 2 = 6
	2+2+2+2	4 x 2 = 8
	2+2+2+2	5 x 2 = 10
	2+2+2+2+2	6 x 2 = 12
****	2+2+2+2+2+2	7 x 2 = 14
	2+2+2+2+2+2+2	8 x 2 = 16
	2+2+2+2+2+2+2+2	9 x 2 = 18
*****	2+2+2+2+2+2+2+2+2	10 x 2 = 20

Shall we say multiples of 2?



Multiply by 2:

X	1	2	3	4	5	6	7	8	9	10
2	2	4	6							



Fill in:

d)
$$6 \times 2 = ($$



Puzzle

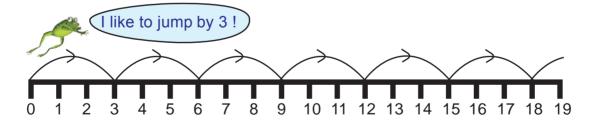
If you add or multiply me by myself the result will be the same. Who am I?



Multiplication table 3

One group of 3 persons	Addition facts	Multiplication facts
	3	1 X 3 = 3
	3+3	2 X 3 = 6
	3+3+3	3 X 3 = 9
	3+3+3+3	4 X 3 = 12
	3+3+3+3+3	5 X 3 = 15
	3+3+3+3+3	6 X 3 = 18
	3+3+3+3+3+3	7 X 3 = 21
	3+3+3+3+3+3+3	8 X 3 = 24
	3+3+3+3+3+3+3+3	9 X 3 = 27
	3+3+3+3+3+3+3+3+3	10 X 3 = 30

Shall we say multiples of 3?

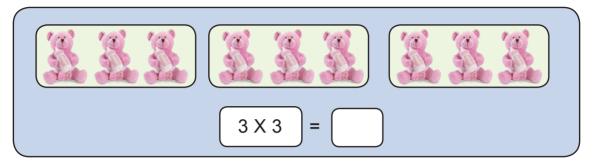


Using the table, practise it

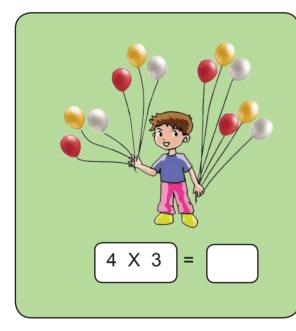
X	1	2	3	4	5	6	7	8	9	10
3	3			12			21			



1. Fill in:



2. Fill in:



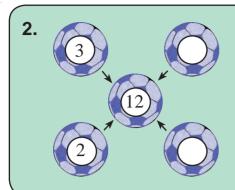
3. Complete the Table.

X	2	3
1		3
2		
3 4		
	8	
5		
6		18
7		
8		
9		
10	20	



- - X = 4

Find out the number in and



Place the number in the boxes such that the product of the diagonal numbers should be 12.



One chair of 4 legs	Addition facts	Multiplication facts
A	4	1 X 4 = 4
温温	4+4	2 X 4 = 8
高温	4+4+4	3 X 4 = 12
	4+4+4+4	4 X 4 = 16
	4+4+4+4	5 X 4 = 20
	4+4+4+4+4	6 X 4 = 24
	4+4+4+4+4+4	7 X 4 = 28
	4+4+4+4+4+4+4	8 X 4 = 32
	4+4+4+4+4+4+4+4	9 X 4 = 36
	4+4+4+4+4+4+4+4+4	10 X 4 = 40

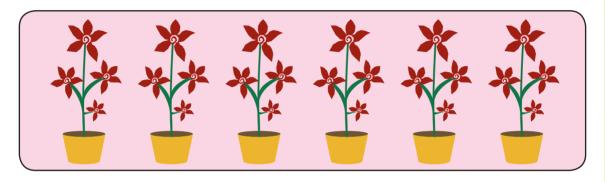
Using the table, practise it

X	1	2	3	4	5	6	7	8	9	10
4		8			20					



Draw a number line and mark only first 5 multiples of 4 on it.





1. A flower pot contains 4 flowers. How many flowers are there in 6 such flower pots?

2. Fill in:

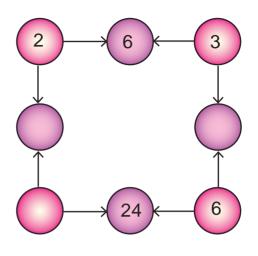
$$\begin{bmatrix} 7 & X \end{bmatrix} = \begin{bmatrix} 28 \end{bmatrix}$$



3. Complete the table.

X	2	3	4
1			
2	4		
3		9	
4			16
5			
6		18	
7			28
8			
9	18		
10			

4. Fill the circles.





One flower of 5 petals	Addition facts	Multiplication facts
%	5	1 X 5 = 5
**	5+5	2 X 5 = 10
***	5+5+5	3 X 5 = 15
****	5+5+5+5	4 X 5 = 20
****	5+5+5+5	5 X 5 = 25
*****	5+5+5+5+5	6 X 5 = 30
*****	5+5+5+5+5+5	7 X 5 = 35
*****	5+5+5+5+5+5+5	8 X 5 = 40
*****	5+5+5+5+5+5+5+5	9 X 5 = 45
*****	5+5+5+5+5+5+5+5+5	10 X 5 = 50

Using the table practise it

X	1	2	3	4	5	6	7	8	9	10
5		10			25			40		

The units place in the product is either 0 or 5

ACTIVITY 4

Draw a number line and mark only first 5 multiples of 5 on it.

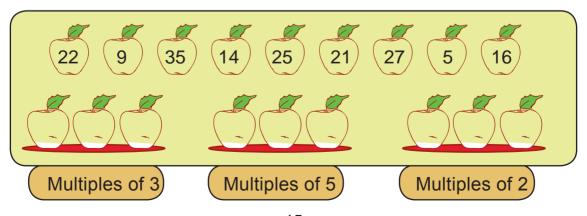


1. Complete the table.

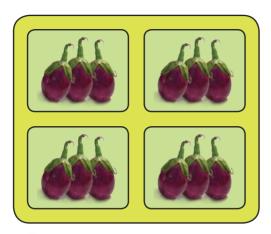
	Χ	2	3	4	5
ĺ	1			4	
	2				10
	3	6			
	4				
	5		15		
	6			24	
	7	14			
	8				40
	9		27		
	10				

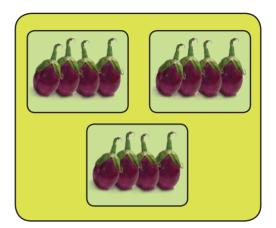
2. Fill in the boxes.

3. Keep the fruits in their appropriate plates.



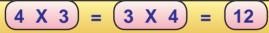
See the magic!





4 groups of 3 brinjals

3 groups of 4 brinjals



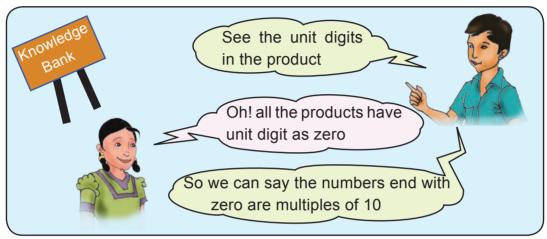
4 groups of 3 items and 3 groups of 4 items contain the same 12 items

Multiplication table 10

One bundle of 10 sticks	Addition facts	Multiplication facts
	10	1 X 10 = 10
	10+10	2 X 10 = 20
	10+10+10	3 X 10 = 30
	10+10+10+10	4 X 10 = 40
	10+10+10+10	5 X 10 = 50
	10+10+10+10+10	6 X 10 = 60
	10+10+10+10+10+10	7 X 10 = 70
	10+10+10+10+10+10+10	8 X 10 = 80
	10+10+10+10+10+10+10+10	9 X 10 = 90
	10+10+10+10+10+10+10+10+10	10 X 10 = 100

Using the table practise it

X	1	2	3	4	5	6	7	8	9	10
10										





Using the 10 beads and strings from the self-learning material in maths, form the multiples of 10.



Circle the multiples of 10.



1. Complete the multiplication table.

X	2	3	4	5	10
1					10
2		6			
3	6				
4			16		
5					
6				30	
7					
8					80
9	18				
10					

Multiplication with zero







Observe that there is no flower in any of the flower pots.

This can be written as

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

$$\left(3 \times 0 \right) = 0$$

That is, if we multiply any number with zero then the product is zero.

Note that, if we multiply zero with any number, then also the product is zero.

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

Practise by saying

Multiplication table 2	Multiplication table 3	Multiplication table 4
1 x 2 = 2	1 X 3 = 3	1 X 4 = 4
2 x 2 = 4	2 X 3 = 6	2 X 4 = 8
3 x 2 = 6	3 X 3 = 9	3 X 4 = 12
4 x 2 = 8	4 X 3 = 12	4 X 4 = 16
5 x 2 = 10	5 X 3 = 15	5 X 4 = 20
6 x 2 = 12	6 X 3 = 18	6 X 4 = 24
7 x 2 = 14	7 X 3 = 21	7 X 4 = 28
8 x 2 = 16	8 X 3 = 24	8 X 4 = 32
9 x 2 = 18	9 X 3 = 27	9 X 4 = 36
10 x 2 = 20	10 X 3 = 30	10 X 4 = 40

Multiplication table 5	Multiplication table 10
1 X 5 = 5	1 X 10 = 10
2 X 5 = 10	2 X 10 = 20
3 X 5 = 15	3 X 10 = 30
4 X 5 = 20	4 X 10 = 40
5 X 5 = 25	5 X 10 = 50
6 X 5 = 30	6 X 10 = 60
7 X 5 = 35	7 X 10 = 70
8 X 5 = 40	8 X 10 = 80
9 X 5 = 45	9 X 10 = 90
10 X 5 = 50	10 X 10 = 100





Multiplication facts in life situations

An elephant has 4 legs. How many legs will 5 elephants have?

Number of elephants

Number of legs for an elephant =

= 4

Say the multiplication table 4 upto 5 X 4



$$1 \times 4 = 4$$

$$2 \times 4 = 8$$

$$3 \times 4 = 12$$

$$5 \times 4 = 20$$



Total number of legs for 5 elephants = $\begin{bmatrix} 5 \times 4 \end{bmatrix} = \begin{bmatrix} 20 \end{bmatrix}$

Example

The students of class III sit in 6 rows. In one row there are 5 students. Find the number of students in the class.

Number of rows = 6

Number of students in 1 row = 5

Total number of students in the class = 6×5

Say the multiplication table 5 upto 6 X 5

Total number of students = 30

$$1 \times 5 = 5$$

$$2 \times 5 = 10$$

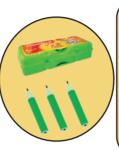
$$3 \times 5 = 15$$

$$4 \times 5 = 20$$

$$5 \times 5 = 25$$

$$6 \times 5 = 30$$

There are 3 pencils in a packet. How many pencils are there in 6 such packets?



Number of packets =

Number of pencils =

Total number of pencils

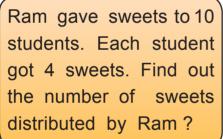
In a class each student has 5 books. How many books do 9 students have?



Number of students =

Number of books =

Total number of books =



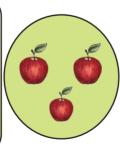


Number of students =

Number of sweets =

Total number of sweets distributed by Ram =

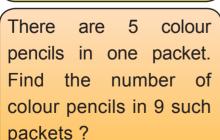
There are 3 apples in a box. How many apples are there in 8 boxes?



Number of boxes =

Number of apples =

Total number of apples





Number of packets

Number of colour pencils

Total no. of colour pencils



Multiplication of two digit number by one digit number

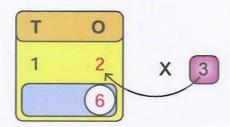
Multiply 12 by 3:

$$12 \times 3 = ?$$

That is 3 times of 12 = ?

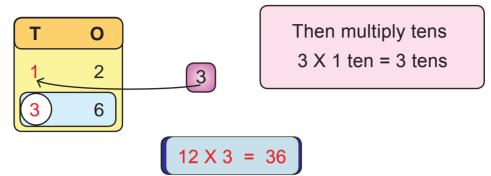
Using multiplication tables:

Step 1:

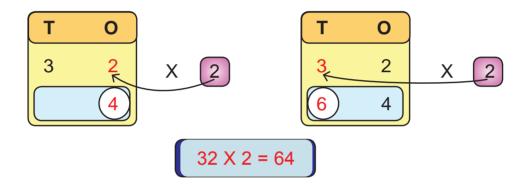


First multiply ones 3 X 2 ones = 6 ones

Step 2:

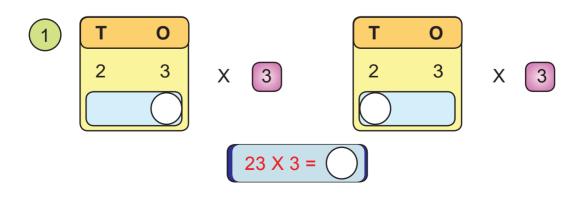


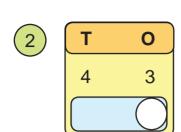
Example

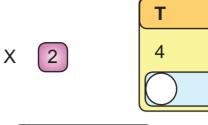




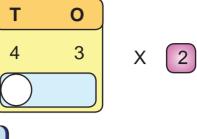
(i) Find the product:



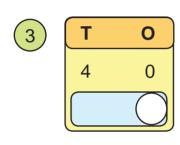




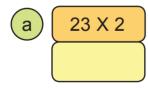
43 X 2 =

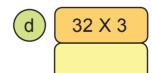


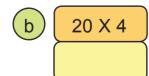
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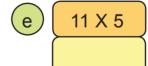


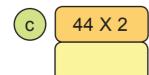


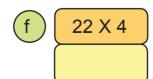












Multiply 14 by 3

(Regroup 12 ones as 1 ten + 2 ones)

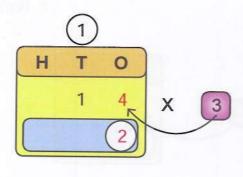
$$14 \times 3 = 3 \times 1 \text{ ten} + 3 \times 4 \text{ ones}$$

(Regroup 3 X 4 ones = 12 ones as 1 ten + 2 ones)

Using multiplication tables we can mulitply as follows:

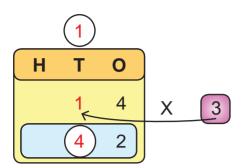
Find the product of 14 X 3

Step 1:



- Multiply 4 ones by 33 X 4 ones = 12 ones.
- 12 ones = 1 ten + 2 ones.
- Write 2 ones under ones place.
- Carry over 1 to tens place.

Step 2:



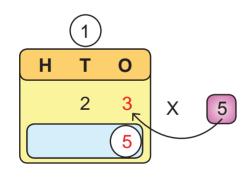
- Multiply 1 ten by 33 X 1 ten = 3 tens
- Add with 1 ten (regrouped)3 tens + 1 ten = 4 tens
- Write 4 in tens place

14 X 3 = 42

Example

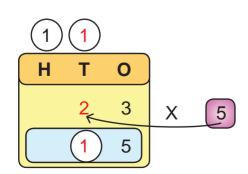
Find the product of 23 X 5

Step1:



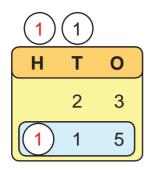
- Multiply 3 ones by 55 X 3 ones = 15 ones.
- 15 ones = 1 ten + 5 ones.
- Write 5 ones under ones place.
- Carry over 1 to tens place.

Step 2:



- Multiply 2 tens by 5.
- Add with 1 ten (regrouped).
- 10 tens + 1 ten = 11 tens11 tens = 1 hundred + 1 ten.
- Write 1 in tens place and 1 in hundreds place.

Step 3:

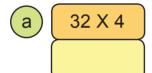


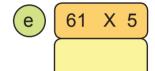
X 5

23 X 5 = 115



1) Find the product:

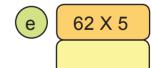


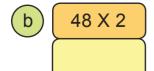


2) Find the product :











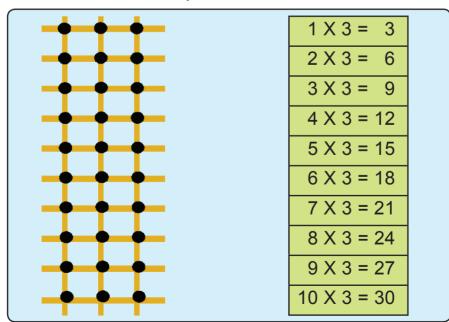


1. Colour the pair of numbers adjacent to each other whose product is 12.

6	2	8	3	4
2	7	1	6	3
4	3	12	4	3
4	9	1	8	1
3	4	7	1	12

2. We can construct multiplication tables through sticks.

Let us construct the multiplication table 3



- X Take 3 sticks and keep them vertically.
- X Take one stick and keep it across as shown above.
- Count the number of points where they meet each other.
- There are three meeting points.
- \times 1 time of 3 meeting points = 3 or 1 X 3 = 3.
- X Take one more stick and keep it across as shown above.
- X Count the total number of meeting points, it is 6.
- \times 2 times of 3 meeting points is 6 or 2 X 3 = 6.
- Continue this process to get 3 times, 4 times etc up to 10 times.

3. Multiplication tables through playway method.

Let us construct the multiplication table 4.

Step 1:

Draw 4 circles in 10 rows.

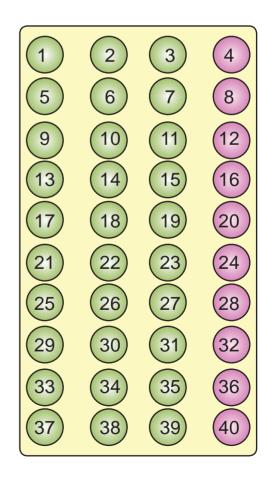
Step 2:

Fill the numbers 1 to 40 inside the circles.

Step 3:

The numbers in the last column will be the product.







Mental sums

Ram's age is 30 years. His father's age is twice Ram's age. Find the age of his father.

Geetha scored 45 marks in an exam. In the next exam she scored double of it. How much did she score in the next exam?

Sanjeeve scored 48 runs in the first match. He scored double in the second match. How much did he score in the second match?

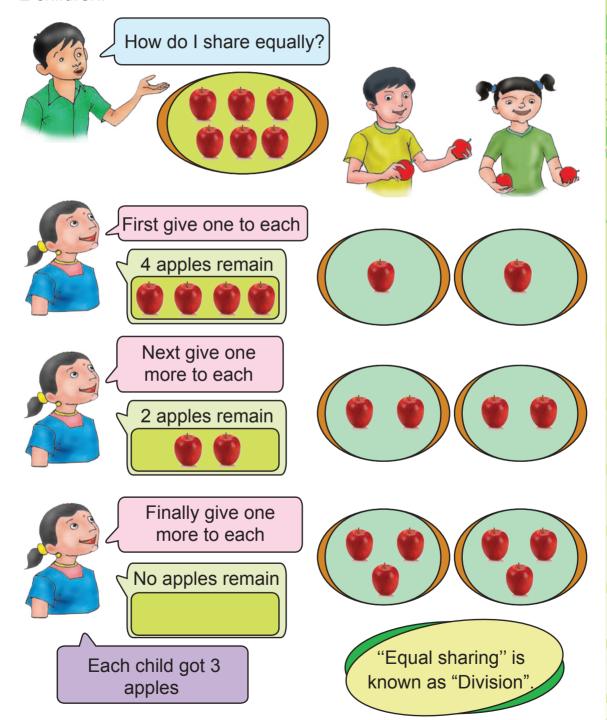
Seetha's weight is 16 kg. Her brother krishna weighs double. What is the weight of krishna?

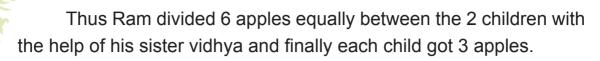
Sheela bought a dozen of plantain. Saro bought 4 less than double of it. How many plantains did saro buy?



DIVISION

Ram has 6 apples. He wants to give equal number of apples to 2 children.





Number of apples = 6

Number of persons = 2

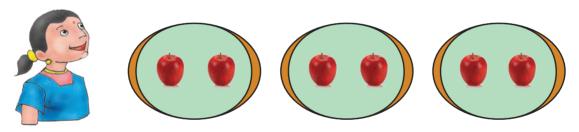
Number of apples each got = 3

We write this as

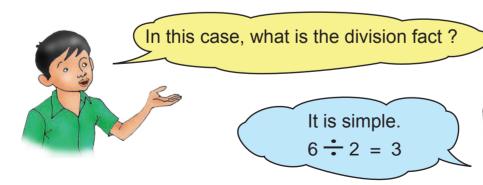
This is read as 6 divided by 2 is equal to 3

÷ symbol represents "division"

Let us see how vidhya divided 6 apples equally into groups of 2 each.



She divided 6 apples into 3 groups of 2 each.



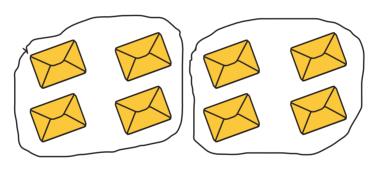


Complete the table by dividing the given items equally.

Total number of items	Number of items in a group	Total number of groups
8 Pencils	4 Pencils	2 Groups
9 Erasers	3 Erasers	
15 Pebbles		3 Groups
20 Seeds		

As given in the example, complete the following division facts.

Example



The division fact is $8 \div 4 = 2$



a.
$$4 \div 2 =$$



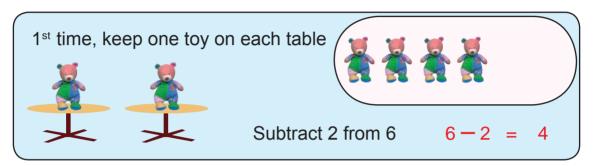
b.
$$9 \div 3 =$$

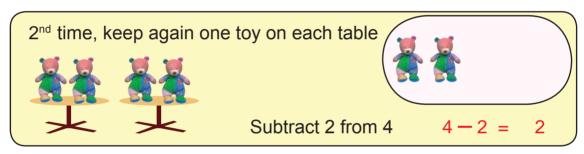


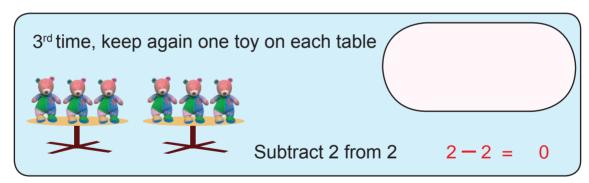


Division is not only sharing equally but it is also repeated subtraction of the same number.

There are 6 toys. Let us divide these toys equally.







We have repeatedly subtracted 2 from 6, three times.

That is $6 \div 2 = 3$

Division is nothing but, "repeated subtraction"

Division through repeated subtraction:

Example

15 ÷ 3

Let us subtract 3 from 15 repeatedly

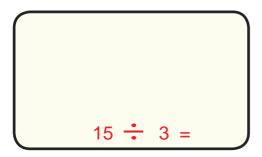
Thus 3 is subtracted from 15, 5 times.

Therefore $15 \div 3 = 5$



Divide through repeated subtraction:

a. 15 ÷ 3



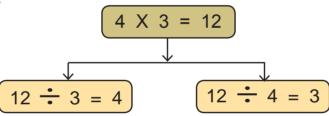
12 ÷ 4 =



Some balls are arranged as follows:

Multiplication	Division - 1	Division - 2	
• • •			
Total number of balls 4 X 3 = 12	12 - 3 = 4	12 - 4 = 3	

From the above table we see that the multiplication fact has two division facts.





For each multiplication fact there are 2 division facts

But, if the same numbers are multiplied, there will be only one division fact.

Example

3 X 3 = 9

Multiplication fact

 \longrightarrow

9 * 3 = 3

Division fact



If a number is multiplied with zero, it has only one division fact.

Example

5 X 0 = 0

Multiplication fact

---->

3

0 • 5 = 0

Division fact



Zero ÷ Any non zero number = Zero



Do the following:

Multiplication fact	Division	n facts
3 X 2 = 6	6 ÷ 3 = 2	6 ÷ 2 = 3
4 X 3 = 12		
7 X 2 =		
6 X 5 =		
3 X 3 =		
5 X 4 =		
2 X 0 =		
4 X 4 =		
9 X 0 =		
8 X 5 =		



Using the multiplication tables we can get a lot of division facts.

Construct the division facts for the multiplication table 2

Multiplication table 2	Division fa	acts
1 X 2 = 2	2 * 2 = 1	2 ÷ 1 = 2
2 X 2 = 4	4 • 2 = 2	4 * 2 = 2
3 X 2 = 6	6 ÷ 2 = 3	6 ÷ 3 = 2
4 X 2 = 8	8 • 2 = 4	8 ÷ 4 = 2
5 X 2 = 10	10 ÷ 2 = 5	10 ÷ 5 = 2
6 X 2 = 12	12 • 2 = 6	12 ÷ 6 = 2
7 X 2 = 14	14 ÷ 2 = 7	14 • 7 = 2
8 X 2 = 16	16 ÷ 2 = 8	16 ÷ 8 = 2
9 X 2 = 18	18 - 2 = 9	18 ÷ 9 = 2
10 X 2 = 20	20 ÷ 2 = 10	20 ÷ 10 = 2



Try to construct the division facts for the tables 3,4,5 and 10.

Simple Division Problems

(a) Division with grouping:

Example

Divide 24 stars in to groups of 4 stars each

Make groups of 4 stars each

24 stars can be divided into 6 groups of 4 stars each





1) Divide 12 books into groups of 3 books each.



2) Divide 15 candles into groups of 5 candles each.



3) Divide 16 flowers into groups of 2 flowers each.



4) Divide 12 dice into 4 equal groups.



5) Divide 20 keys into 2 equal groups.





Division using multiplication tables:

Example

Divide 15 ÷ 3

$$2 \times 3 = 6$$

$$3 \times 3 = 9$$

$$5 \times 3 = 15$$

Say the multiplication table 3 till you get product 15.

Example

$$1 \times 5 = 5$$

$$2 \times 5 = 10$$

$$3 \times 5 = 15$$

$$4 \times 5 = 20$$

$$6 \times 5 = 30$$

Say the multiplication table 5 till you get product 30.

Exercise 5

Divide:

1.
$$15 \div 3 =$$

2. $18 \div 2 =$

3. $20 \div 10 =$

4.
$$28 \div 4 =$$
5. $10 \div 5 =$
6. $16 \div 4 =$

7.
$$35 \div 5 =$$

8. $27 \div 3 =$

9. $25 \div 5 =$

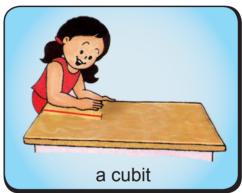


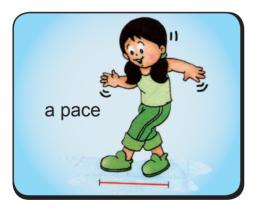
LENGTH

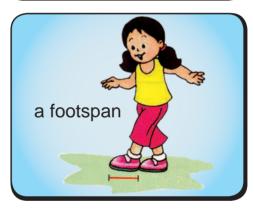
Recall

We measure the length of the objects to find out how long they are. We can measure the length using non standard units such as

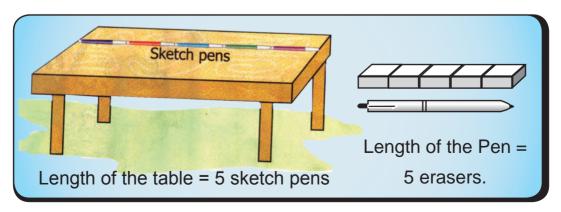








Similarly we can measure the length using objects.





- 1. Class table is cubit long.
- 2. Length of your class room is pace long.
- 3. Maths book is handspan long.
- 4. Class room is foot span long.

Need for a standard Unit



Take a rope. Measure it in hand span and fill the table given below.

S.No	Name of the students	Length of the rope (in handspan)
1.		
2.		
3.		
4.		

Look at the above measurements.

Are these measurements same?

No, they are not the same. Because each hand span of the students is different.

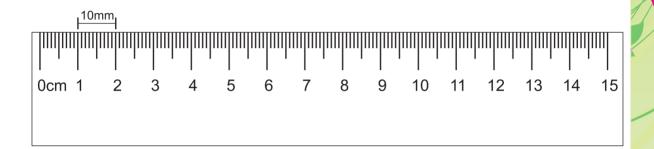
So, we need a standard unit to measure the length.

We use a metre or centimetre scale to measure length

Standard unit of length

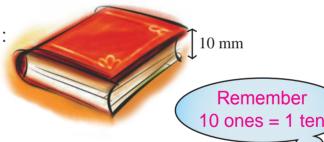
Millimetre

Millimetre is the smallest unit of measuring length. It is used to measure small measurements. Look closely at your ruler. You will see very small lines between two numbers on the centimetre ruler as shown below. These are called millimetre. It is written as mm.



Centimetre

Look at the picture:



The thickness of the book is 10mm.

This is otherwise written as 1cm.

Centimetre is the next immediate higher unit of measuring length to that of millimetre.

It is written as cm.







Look at the picture:



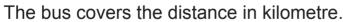
The shopkeeper uses the metre scale to measure clothes which consists of 100 cm.

Metre is the next applicable higher unit of measuring length to that of centimetres. It is written as m.



Kilometre

Look at the picture:

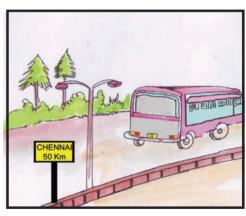


1 kilometre consists of 1000 m.

Kilometre is the bigger unit of length than metre.

It is written as km. It is used to measure long distance.





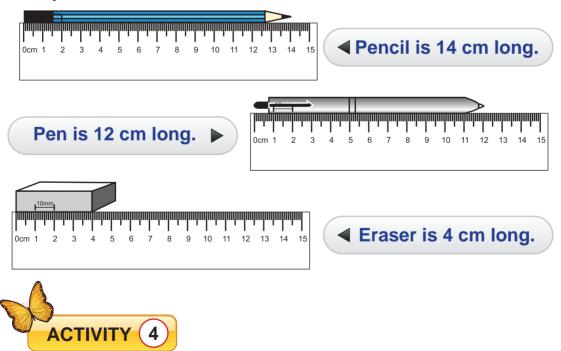


Complete the table by writing any two places in your school / locality and find the distance between them in metres / kilometres with the help of your teacher.

Place I	Place II	Distance between them

Measuring in Centimetres

Place the zero mark on centimetre ruler against one end of the object. Read the number at the other end.



Measure the length of objects such as pencil box, duster, maths book, crayan which you have and tabulate them.



ACTIVITY 5 Measure the heights of the students in your class in centimetre and tabulate them.

S.no	Name of the student	Height of the student(in cm)



Estimate the length of the following objects and verify it.

S.no	Name of the objects	Estimated length	Actual length
1.	Chalk piece		
2.	Duster		
3.	Pencil box		
4.	Table		
5.	Bench		
6.	Black board		



Tabulate the estimated length and actual length of the materials available in your environment.



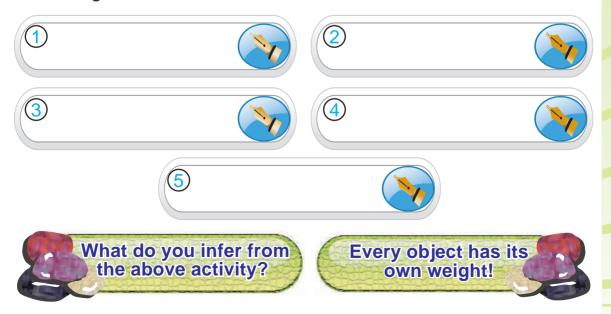
WEIGHT

Recall



Look at the pictures

List out the objects in descending order based on your estimation of their weight.



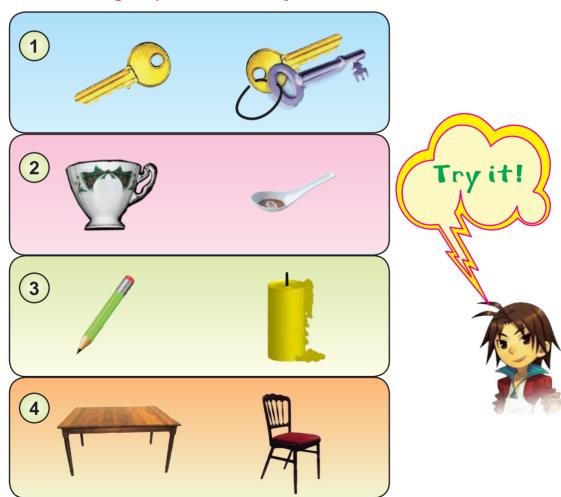


Can you guess which school bag is heavier?





In each group circle the object which is heavier?



Simple Balance

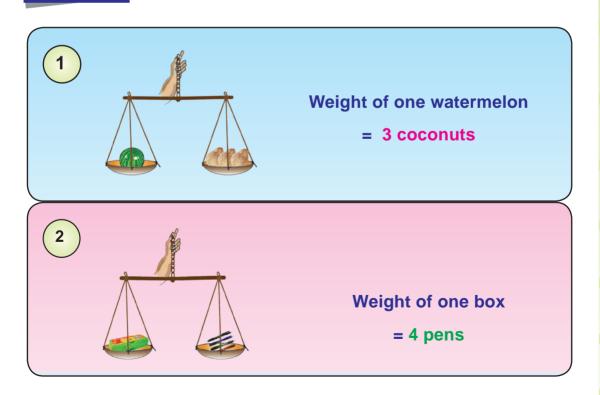
Look at the picture. Use a thin stick, thread and plastic plates. Make a simple balance



Weighing objects using non-standard units

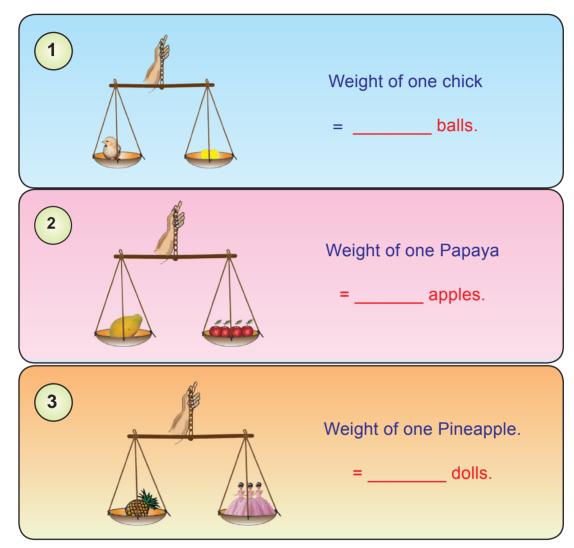
Now we measure the weight of the given objects by nonstandard units using simple balance.

Example

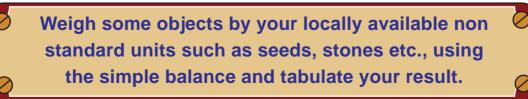




Observe the pictures find out the weight of the objects.



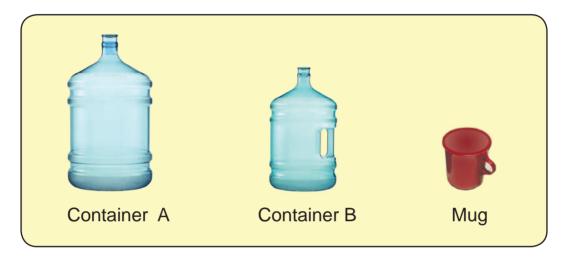






CAPACITY

The amount of liquid that a container can hold is the capacity of the container.



Container A holds 25 mugs of water.

Container B holds 18 mugs of water.

Which container has larger capacity?

Answer : _____

Example

The pot is filled with 9 jugs of water.

So, the capacity of the pot is 9

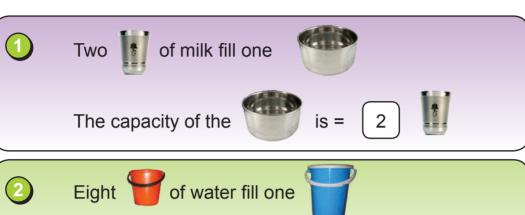




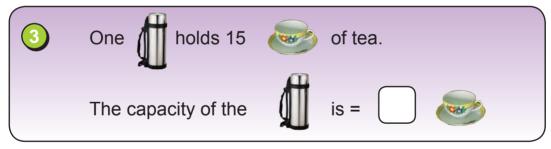
In non-standard units for measuring capacity, we use a small container to find out the capacity of big container.

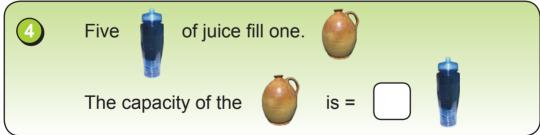


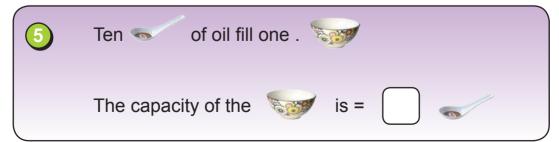
Find out the measurement of the following container:





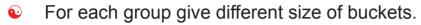












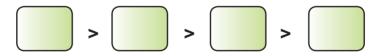
- Give the same size of jug to each group.
- Ask them to fill their buckets with water using the jug.



Compare the capacity of the buckets and discuss:

Name of the groups	Capacity of the buckets
А	
В	
С	
D	

Arrange the groups based on the capacity of the buckets:





For filling a particular tank, Kala needs 40 pots of water whereas Sathya needs 50 pots of water.

Find out the reason.

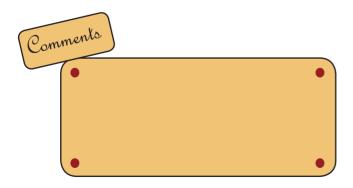


Date:	Date
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Which vessel helps quicker in filling a container?
 The capacity of the container is 5 mugs (or)
 The capacity of the container is 3 mugs.

Answer	÷	
	-	

- 2) If a narrow container holds 8 bottles of petrol and a wider container holds 8 bottles of diesel then the capacity of narrow container is ______ the capacity of wider container (greater than / equal to / less than)
- 3) A beaker holds 25 cups of milk. The capacity of the beaker is _____ cups.
- 4) A flask was filled with 7 cups of tea. Then the number of similar cups required to make the flask empty is ______.
- 5) The capacity of the watercan is 30 bottles. Then the number of bottles of same size that will fill another watercan of same size is ______.



Teacher's signature

'I can, I did'

Student's Activity Record

Subject :

SI. No.	Date	Lesson No.	Topic of the Lesson	Activities	Remarks