



$$6 \times 2$$



$$8 \times 9$$

## Grouping

### BIRDS IN GROUPS

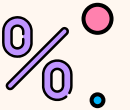
Some birds are flying in the sky.

How many birds are there in each group ?

There are 10 birds in the sky.

They are in 2 groups.

There are 5 birds in each group.





## Division as Sharing

**LET US SHARE BALLOONS**

**3** children buy **6** balloons.

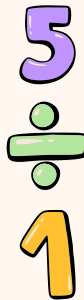
They want to share them equally.

Each child gets 2 balloons.

We say : **6** divided by **3** is equal to **2**.

We write :  **$6 \div 3 = 2$**

‘ $\div$ ’ is the symbol of division.





## LET US SHARE KITES

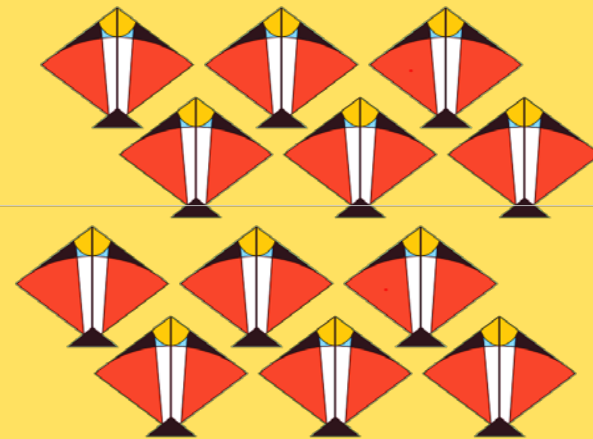
Here are 12 kites.

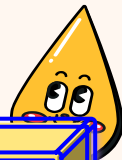
We divided them in 2 groups.

Each group has 6 kites.

We say : 12 divided by 2 is  
equal to 6.

We write :  $12 \div 2 = 6$




$$\begin{array}{r} 5 \\ \div \\ 1 \end{array}$$

A colorful illustration of four sailboats on a wavy sea. Three sailboats are in the background, and one is in the foreground. The sea is blue with white waves. The sky is yellow with small white dots. The entire scene is framed by a pink, cloud-like border.

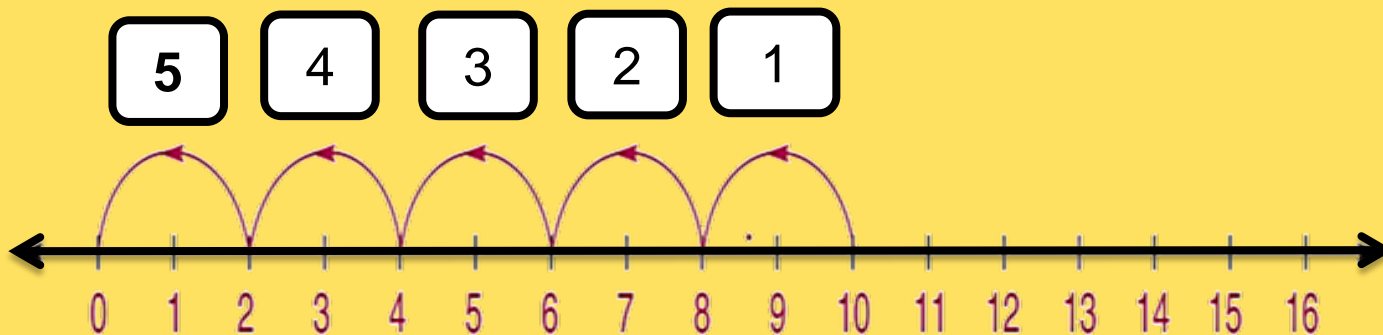
**We write :  $12 \div 3 = 4$**

1 2 3 4 5 6 7 8 9 0 + =



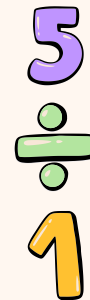
## Division Using the Number Line

Divide 10 in groups of 2 on number line. Count the number of jumps of 2 which can be made from 10 :



$$5 \div 2 = 1$$

1 2 3 4 5 6 7 8 9 0 + =



There are 5 jumps of 2 .

We say : 10 divided by 5 is equal to 2 .

We write :  $\boxed{10} \div \boxed{5} = \boxed{2}$





Fill in the boxes :

2 equal groups



3 equal groups



4 equal groups



5 equal groups



6 equal groups



5  
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1

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1 2 3 4 5 6 7 8 9 0 + =



## Division (Without Remainder)

**EXAMPLE 1 : Divide 10 by 2.**

**SOLUTION :**

$$\begin{array}{r} 5 \\ 2 \overline{)10} \\ \underline{-10} \\ 0 \end{array}$$

We read the  
multiplication table of  
2, and get  
 $2 \times 5 = 10$ .

**Thus,  $10 \div 2 = 5$ .**


$$2 \times 5 = 10$$



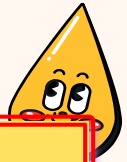
4  
+  
7



LONG DIVISION

Divide  $12 \div 4$

D  
I  
V  
I  
S  
I  
O  
N



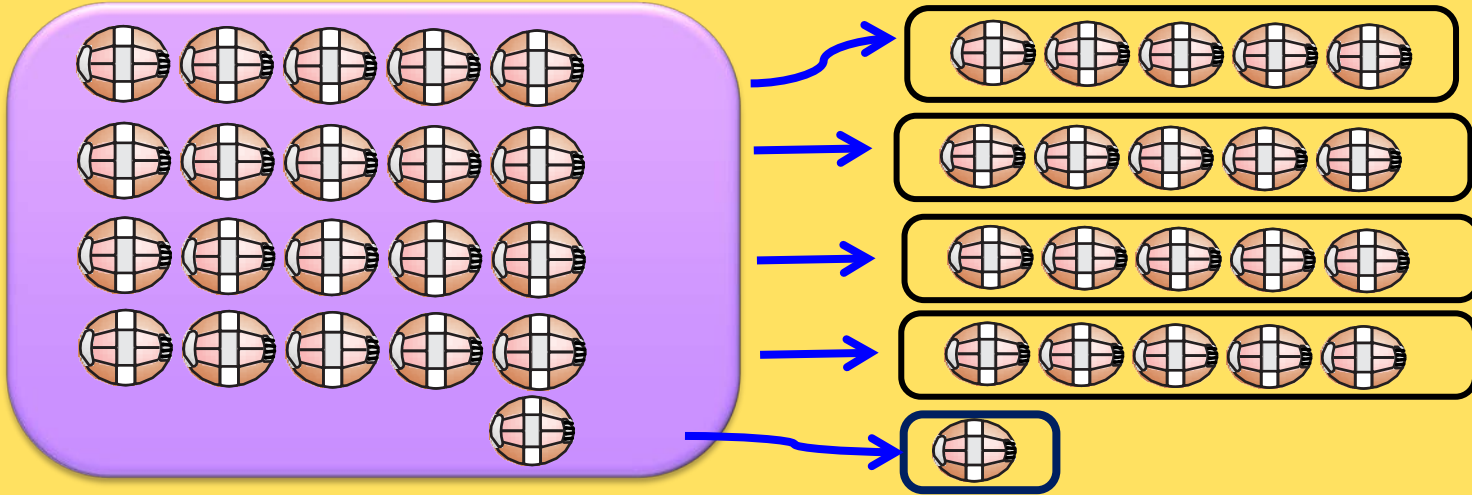
5  
÷  
1

1 2 3 4 5 6 7 8 9 0 + =

## Division (With Remainder)

We have 21 balls.

Let us try to put them in 4 boxes equally.



1 2 3 4 5 6 7 8 9 0 + =

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4  
+  
7



## DIVISION OF TWO DIGIT NUMBERS BY A SINGLE DIGIT NUMBER

Step 2:

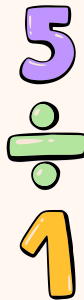
$3 \times 3 = 9$ .  
3 goes in 9 three times,

$$3 \overline{)93}$$



5  
÷  
1

1 2 3 4 5 6 7 8 9 0 + =



1 ball is left over.

$21 \div 4 = 5$  and 1 left over.

$$\begin{array}{r} 5 \\ 4 \overline{) 21} \\ - 20 \\ \hline 1 \end{array}$$

We know that

$$4 \times 5 = 20 \text{ and } 4 \times 6 = 24$$

$$20 < 21 \quad \text{and} \quad 24 > 21$$

$\therefore 4$  goes 5 times into 21.

Subtract 20 from 21. 1 is remainder.





4 is Called  
divisor

5 is Called  
quotient

21 is Called  
dividend

$$\begin{array}{r} 5 \\ 4\sqrt{21} \\ \underline{-20} \\ 1 \end{array}$$

1 is Called  
remainder

$$\begin{array}{r} 5 \\ \div \\ 1 \end{array}$$

•  
•

1 2 3 4 5 6 7 8 9





*quotient*  
*divisor*  $\sqrt{\textit{dividend}}$

.....  
*remainder*

5  
÷  
1

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1 2 3 4 5 6 7 8 9 0 + =



THANKS!

1 2 3 4 5 6 7 8 9 0

