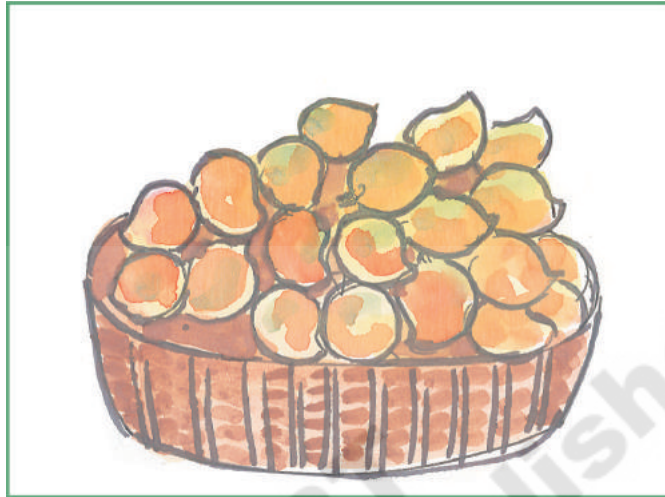# 12 Division of One Number by Another Number

1. Count the number of mangoes in the big basket. Say how many equal number heaps.

The total number of mangoes in the above basket =

Here the number of mangoes in each small basket.

How many heaps of mangoes did we get after making heaps of 5 from 20 mangoes?

When 20 mangoes were made into heaps of 5, we got 4 heaps.

It means we got 4 after dividing 20 by 5.

We write it as $20 \div 5 = 4$

If we divide the total numbers of mangoes by the number of mangoes in each heap, we can find out the number of heaps.

The symbol for division $\div$

Get your pupils to observe that there are equal number of fruits in each heap. Get them to say the number of heaps. Introduce the division and the symbol to your pupils.

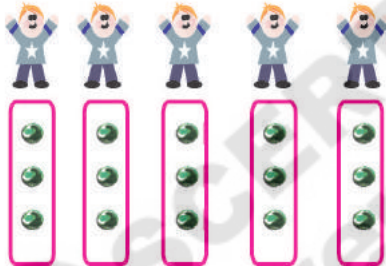**2. Distribute 15 marbles equally among 5 children.**

Total number of marbles **= 15**

Distributed first time = ☐
Remaining marbles = ☐

Distributed second time = ☐
Remaining marbles = ☐

Distributed third time = ☐
Remaining marbles = ☐

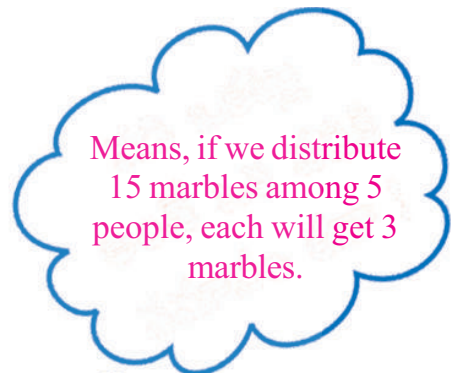Total number of marbles = ☐

How many people distributed = ☐

How many times did we distribute equally = ☐

How many did each one get = ☐

If 15 marbles are distributed equally among ☐

equally, each one will got ☐ marbles.

The division form of this is | 15 ÷ 5 = ☐

Means, if we distribute 15 marbles among 5 people, each will get 3 marbles.
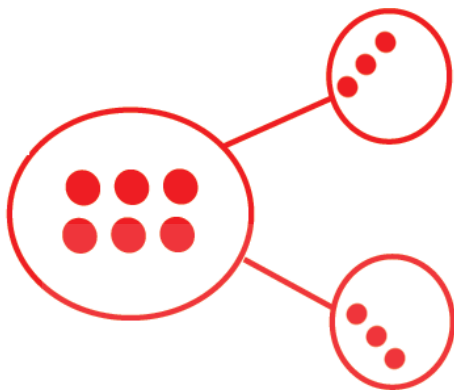
In the method shown above get your pupils to distribute the marbles equally. Let them write the correct numbers in the blank boxes. Introduce the Division form to your pupils.

Exercise

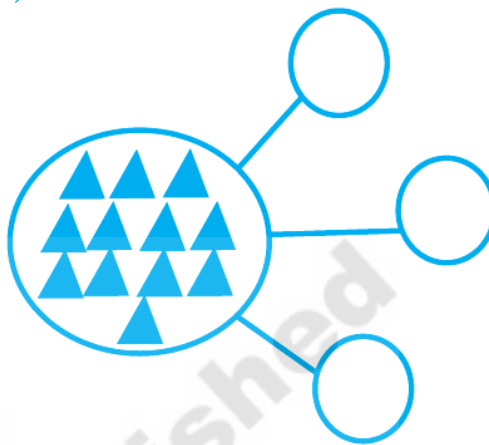1. **Look at the pictures given below. Count them. Distribute equally. Write the Division form. One example is given. Fill in the blank boxes and circles.**

Example :–

| 6 | ÷ | 2 | = | 3 |

(a)

| ☐ | ÷ | ☐ | = | ☐ |

(b)

| ☐ | ÷ | ☐ | = | ☐ |

(c)

| ☐ | ÷ | ☐ | = | ☐ |

Get your pupils to understand the instruction for each problem. Let them solve the problems 1 to 5 on their own.

2. **Write the Division form for the following equal distribution of things.**

(a) **Distribute 18 mangoes among 6 people equally.**

Total number of mangoes	**=**	**18**
Distribution of mangoes to 6 people at first time	=	<u>−6</u>
Remaining mangoes	=	12
Distribution of mangoes to 6 people second time	=	
Remaining mangoes	=	
Distribution of mangoes to 6 people third time	=	
Remaining mangoes	=	

Result of division = ☐

By distributing equally each one got = ☐

The Division form ☐ ÷ ☐ = ☐

(b) **Distribute 20 marbles among 4 people equally.**

Total number of marbles	**=**	☐
Marbles distributing first time	=	☐
Remaining marbles	=	☐
Marbles distributed second time	=	☐
Remaining marbles	=	☐
Marbles distributed third time	=	☐
Remaining marbles	=	☐
Marbles distributed fourth time	=	☐
Remaining marbles	=	☐

Result of division = ☐

By distributing equally, each one got = ☐

The Division form ☐ ÷ ☐ = ☐

Get your pupils to understand the instruction for each problem. Let them solve the problem by themselves.

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3. Distribute in groups. Write the Division form.

Ex. Rajani distributed 15 chocolates among her three friends. How many chocolates did she give each friend.

Total number of chocolates = [15]

The number of friend to whom chocolates were distributed = [3]

To each friends he distributed = [5]

The division form = [15] ÷ [3] = [5]

What does the result of division indicate? [   ]

(a) Three pupils can sit on a bench. How many benches are needed for 21 pupils to sit on.

Total number of students = [   ]

Each bench can seat = [   ]

Number of benches needed = [   ]

The division form = [   ] ÷ [   ] = [   ]

What does the result of division indicate? [   ]

(b) Ramayya has 48 sheep. He distributed them to his four sons equally. How many did each son get?

Total number of sheep = [   ]

Number of sons = [   ]

Each son got [   ] sheep

The Division form = [   ] ÷ [   ] = [   ]

The result of division shows [   ]

Get your pupils to understand the instruction for each problem. Let them solve the problems on their own.

4. **Look at the table given below. Fill in the blank boxes with the correct numbers. Write the Division form for each.**

Number of notebooks distributed	Number of pupils who recived the notebooks	Number of books each pupil recived	The Division form
Ex:– 8	2	4	8 ÷ 2 = 4
12			
15			
18			
42			

5. **Match the following divisions and their result.**

21 ÷ 7

36 ÷ 6

45 ÷ 9

35 ÷ 5

6

5

7

3

Get your pupils to understand the instruction for each problem. Let them solve the problems by themselves.

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