

## **CH: 12 |Can we share ?**

- **Ws 44 ( solution )**
- **Key words on division**
- **word problem on division**
- **Ws 45**

## Ch: 12 | Can We Share? |

### Worksheet :44

#### Solution

1. Write the division facts of the following:

a)  $8 \times 7 = 56$       ans. i)  $56 \div 8 = 7$  ;    ii)  $56 \div 7 = 8$

b)  $4 \times 11 = 44$       Ans. i)  $44 \div 4 = 11$  ;    ii)  $44 \div 11 = 4$

2. Write the quotient and remainder : ( Divide mentally)

a)  $456 \div 10 = ?$       Ans. Quotient = 45 ; Remainder = 6

b)  $4897 \div 100 = ?$       Ans. Quotient = 48 ; Remainder = 97

c)  $1234 \div 1000 = ?$       Ans. Quotient = 1 ; Remainder = 234

3. Find the dividend if, divisor = 15 , quotient = 12 , remainder = 5.

We know that,

$$\text{Dividend} = \text{Divisor} \times \text{quotient} + \text{remainder}$$

$$= 15 \times 12 + 5$$

$$= 180 + 5$$

$$= 185 \text{ ( Ans.)}$$

4. Divide and check your answer:

$346 \div 7 = ?$  (Do in your own )

5. If remainder is 0 and quotient is 1 then find the dividend ?

Given that ,

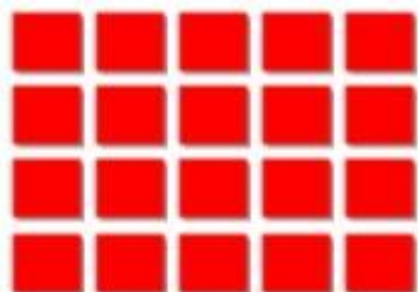
$$\text{Quotient} = 1 \text{ and Remainder} = 0$$

Therefore,

$$\begin{aligned}\text{Dividend} &= \text{Divisor} \times \text{quotient} + \text{Remainder} \\ &= \text{Divisor} \times 1 + 0 \\ &= \text{Divisor}\end{aligned}$$

$$\text{Dividend} = \text{Divisor}$$

6. Count the squares:



Total number of red squares? **Ans.20**

Total number of rows? **Ans. 4**

Number of red squares in each row ? **Ans.5**

# Key words of division

- Each
- Every
- Cut
- Shared
- Shared equally
- Divided by
- Divided into
- Distributed
- Group of
- equal parts
- Out of

When many given  
you have to find  
one → Divide

## DIFFERENCE BETWEEN MULTIPLICATION AND DIVISION WORD PROBLEM :

### In **Multiplication**

- you will be asked to find the total.
- You already know 'how many parts/ groups' is there and what is the size of the group / parts .

### In **Division**

- you already know the total .
- You are asked to 'how many parts/ groups' is there and what is the size of the group / parts .



**Ws : 45**

- 1) A bus can hold 108 passengers. If there are 12 rows of seats on the bus, how many seats are in each row?**
- 2) In a class ,a teacher counted 120 hands. How many students were in the class?**
- 3) 89 people have been invited to a banquet. The caterer is arranging tables. Each table can seat 12 people. How many tables are needed?**

## Ws : 45 ( Check your answer)

1) Sol :-

Total no. of passengers = 108

Number of rows = 12

Number of seats in each row =  $(108 \div 12)$   
= 9

$\therefore$  9 seats are there in each row.

$$\begin{array}{r} 009 \\ 12 \overline{) 108} \\ \underline{00} \phantom{0} \\ 10 \phantom{0} \\ \underline{-0} \phantom{0} \\ 108 \\ \underline{-108} \\ 0 \end{array}$$

2)

Sol:-

Total no. of hands = 120

No. of hands of one student = 2

Number of students =  $(120 \div 2)$   
in the class = 60

$\therefore$  60 students were in the class.

$$\begin{array}{r} 060 \\ 2 \overline{) 120} \\ \underline{0} \phantom{0} \\ 12 \phantom{0} \\ \underline{-12} \phantom{0} \\ 0 \\ \underline{-0} \\ 0 \\ \hline \end{array}$$

3)

Total number of people = 89

Number of people in each table = 12

$\therefore$  Number of tables =  $(89 \div 12)$

$$\begin{array}{r} 07 \\ 12 \overline{) 89} \\ \underline{-0} \downarrow \\ 89 \\ \underline{-84} \\ 5 \end{array}$$

Quotient = 7

Remainder = 5 (5 no. of people left to seat in a table)

As, 5 people have no place to sit.

So, he need to arrange =  $(7+1) = 8$  tables.

$\therefore$  8 tables are needed.

**Thank you**