



Prepared by: Ms. Mohsina.

Lesson no 10 – Division

Pre activity:- Solve pg no 123.

**I. 10.1 – Regrouping/ division by repeated subtraction.**

1. Equal sharing or equal distribution is called as division.
2. ‘÷’ is the sign of division.

Q. Divide using repeated subtraction.

a.  $16 \div 4 = 4$

Ans -

|   |   |   |         |
|---|---|---|---------|
|   | T   | O |         |
|   | 1   | 6 |         |
| - |   | 4 | ----- 1 |
|   | <hr style="width: 50px; margin-left: 10px;"/> |   |         |
|   | 1   | 2 |         |
| - |   | 4 | ----- 2 |
|   | <hr style="width: 50px; margin-left: 10px;"/> |   |         |
|   |   | 8 |         |
| - |   | 4 | ----- 3 |
|   | <hr style="width: 50px; margin-left: 10px;"/> |   |         |
|   |   | 4 |         |
| - |   | 4 | ----- 4 |
|   | <hr style="width: 50px; margin-left: 10px;"/> |   |         |
|   |   | 0 |         |

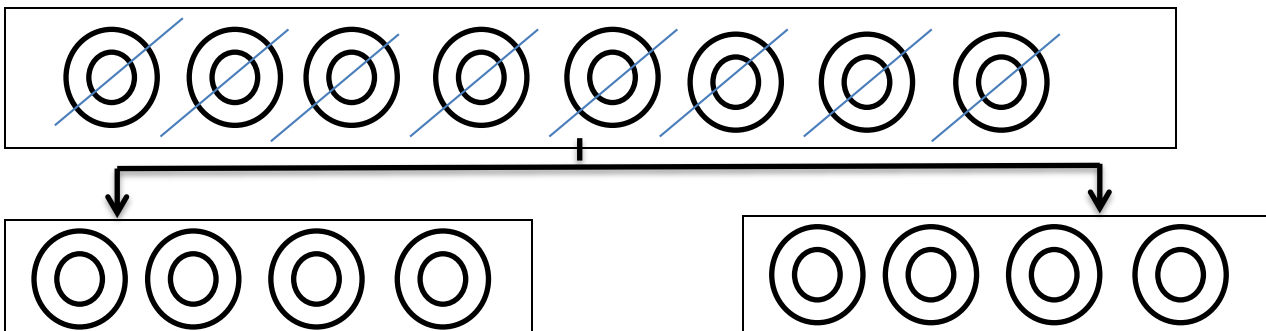
b.  $15 \div 5 = 3$

Ans -

|   |   |   |         |
|---|---|---|---------|
|   | T   | O |         |
|   | 1   | 5 |         |
| - |   | 5 | ----- 1 |
|   | <hr style="width: 50px; margin-left: 10px;"/> |   |         |
|   | 1   | 0 |         |
| - |   | 5 | ----- 2 |
|   | <hr style="width: 50px; margin-left: 10px;"/> |   |         |
|   |   | 5 |         |
| - |   | 5 | ----- 3 |
|   | <hr style="width: 50px; margin-left: 10px;"/> |   |         |
|   |   | 0 |         |

**II. 10.2 - Equal Sharing.**

Q. Share 8 balls into 2 groups. How many balls will be there in each group?



Ans –  $8 \div 2 = 4$

**\* Division Facts:-**

1. Division is the opposite of multiplication.

Ex –  $4 \times 3 = 12 \longrightarrow 12 \div 3 = 4$

2. Dividing by 1 – When we divide a number by 1, the quotient is the number itself.

Ex -  $8 \div 1 = 8$

3. Dividing by itself – When we divide a number by itself, the quotient is 1.

Ex –  $11 \div 11 = 1$

4. Dividing zero – When we divide 0 by any number, the quotient is always zero.

Ex –  $0 \div 5 = 0$

5. Similar division statements.

Ex –  $8 \div 2 = 4$  or  $8 \div 4 = 2$ .

6. Division by zero is meaningless.

\* 
$$\begin{array}{ccc} \underline{30} & \div & \underline{5} & = & \underline{6} \\ \downarrow & & \downarrow & & \downarrow \\ \text{Dividend} & & \text{Divisor} & & \text{Quotient} \end{array}$$

- a. Dividend – The number that gets divided.
- b. Divisor – The number by which we divide.
- c. Quotient – The answer in division.

**III. 10.3 One step division and number stories.**

Step 1 – Write the divisor and dividend in the correct places.

Step 2 – Check the multiplication table for divisor.

Step 3 – Write the product of the divisor and the quotient under the dividend and subtract.

Ex –  $30 \div 5 = \underline{\hspace{2cm}}$

Solve -

$$\begin{array}{r} 6 \\ \hline 5 \overline{) 30} \\ \underline{- 30} \\ 00 \end{array}$$

Ans -  $30 \div 5 = 6$ .

**Q. Solve the following using one step division method.**

a.  $42 \div 7 = \underline{\quad}$

Solve -

$$\begin{array}{r} 6 \\ 7 \overline{) 42} \\ - 42 \\ \hline 00 \end{array}$$

**Ans -**  $42 \div 7 = 6$

b.  $28 \div 4 = \underline{\quad}$

Solve -

$$\begin{array}{r} 7 \\ 4 \overline{) 28} \\ - 28 \\ \hline 00 \end{array}$$

**Ans -**  $28 \div 4 = 7$

c.  $45 \div 5 = \underline{\quad}$

Solve -

$$\begin{array}{r} 9 \\ 5 \overline{) 45} \\ - 45 \\ \hline 00 \end{array}$$

**Ans -**  $45 \div 5 = 9$

**Practice sums – CW / HW**

**Q. Solve the following using one step division method.**

a.  $40 \div 5 = \underline{\quad}$    b.  $36 \div 6 = \underline{\quad}$    c.  $48 \div 8 = \underline{\quad}$    d.  $56 \div 7 = \underline{\quad}$

**Q. Story sums.**

1. Raman puts 45 balls equally in 5 boxes. How many balls are there in each box?

Given –

Total number of balls = 45

Total number of boxes = 5

Solve -

$$\begin{array}{r} 9 \\ 5 \overline{) 45} \\ - 45 \\ \hline 00 \end{array}$$

**Ans –** In each box there will be 9 balls.

2. A rabbit gathered 32 carrots for his family of 8 rabbits. How many carrots will each rabbit get?

Given –

Total number of carrots = 32

Total number of rabbits = 8

Solve -

$$\begin{array}{r} 4 \\ 8 \overline{) 32} \\ - 32 \\ \hline 00 \end{array}$$

**Ans –** 4 carrots will each rabbit get.

**Post activity:- Complete page no 136.**

**Subject Tr's. Sign**

**HOD's Sign**

**Co-ordinator's Sign**

**Principal's Sign**