

Division →

- * The division is a method of distributing a group of things into equal parts.
- * Division means equal sharing.
- * The division is an inverse operation of multiplication.

If 3 groups of 2 make 6 $3 \times 2 = 6$
 then 6 divided into 3 equal groups give 2
 $6 \div 3 = 2$

* Division is repeated subtraction.

for EXAMPLE →

To divide 12 apples equally in 3 groups.

By repeated subtraction,
 we have to subtract 3
 repeatedly from 12 till reach '0'.

$$\begin{array}{r}
 12 \\
 - 3 \\
 \hline
 9 \\
 - 3 \\
 \hline
 6 \\
 - 3 \\
 \hline
 3 \\
 - 3 \\
 \hline
 0
 \end{array}$$

3 can be subtracted 4 times
 from 12 to reach 0.

So the answer is 3.

In division process,

$12 \div 3 = 4$

— Division fact

Dividend

↑ ↑ ↑
 3 3 3
 ↑ ↑ ↑
 3 3 3
 ↑ ↑ ↑
 3 3 3
 ↑ ↑ ↑
 3 3 3
 ↑ ↑ ↑
 3 3 3

Divisor

Quotient

Sign of division is \div .

Exercise - 8.1

(A) Share the following equally and write their division facts.

① 6 carrots among 3 rabbits = $\underline{6 \div 3 = 2}$

② 14 toffees in 2 packets = $\underline{14 \div 2 = 7}$

③ 20 sticks in 4 bundles = $\underline{20 \div 4 = 5}$

④ 16 mangoes in 4 baskets = $\underline{16 \div 4 = 4}$

⑤ 9 roses in 3 bunches = $\underline{9 \div 3 = 3}$

⑥ 18 buttons in 6 pouches = $\underline{18 \div 6 = 3}$

(B) Divide by repeated subtraction.

① 10 pens among 5 boys.

$$\begin{array}{r} 10 \\ - 5 \text{ --- } ① \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 5 \text{ --- } ② \\ \hline 0 \end{array}$$

Ans \rightarrow 2

② 16 erasers among 8 kids.

$$\begin{array}{r} 16 \\ - 8 \text{ --- } ① \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 8 \text{ --- } ② \\ \hline 0 \end{array}$$

Ans \rightarrow 2

③ 18 guavas among 6 children.

$$\begin{array}{r} 18 \\ - 6 \text{ --- } ① \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 6 \text{ --- } ② \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 6 \text{ --- } ③ \\ \hline 0 \end{array}$$

Ans \rightarrow 3

④ 25 needles among 5 tailors

$$\begin{array}{r} 25 \\ - 5 \\ \hline 20 \\ - 5 \\ \hline 15 \\ - 5 \\ \hline 10 \\ - 5 \\ \hline 5 \\ - 5 \\ \hline 0 \end{array}$$

①
②
③
④
⑤

Ans \rightarrow 5

(Do Qs. no A and B (Exercise-8.1)
in your math copy.)