

Division

a) The no. by which we divide is called divisor.

b) A no. that is left after division is called remainder.

c) The result in division is called quotient.

d) The no. which is to be divided is called dividend.

1) 1A) $6048 \div 9$ $1344 \div 8$

$$\begin{array}{r} 672 - Q \\ 9 \overline{) 6048} \\ \underline{-54} \\ 64 \\ \underline{-63} \\ 18 \\ \underline{-18} \\ 0 - R \end{array}$$

$$\begin{array}{r} 168 - Q \\ 8 \overline{) 1344} \\ \underline{-8} \\ 54 \\ \underline{-48} \\ 64 \\ \underline{-64} \\ 0 - R \end{array}$$

$$c) 8911 \div 17$$

$$\begin{array}{r}
 52 - Q \\
 17 \overline{) 8911} \\
 \underline{-85} \\
 41 \\
 \underline{-34} \\
 7 - R
 \end{array}$$

$$7758 \div 23$$

$$\begin{array}{r}
 32 - Q \\
 23 \overline{) 7758} \\
 \underline{-69} \\
 68 \\
 \underline{-46} \\
 22 - R
 \end{array}$$

c) $7891 \div 32$

$246 = Q$

$$\begin{array}{r}
 32 \overline{) 7891} \\
 \underline{-64} \\
 149 \\
 \underline{-128} \\
 211 \\
 \underline{-192} \\
 19 = R
 \end{array}$$

$5268 \div 14$

$376 = Q$

$$\begin{array}{r}
 14 \overline{) 5268} \\
 \underline{-42} \\
 106 \\
 \underline{-98} \\
 88 \\
 \underline{-84} \\
 4 = R
 \end{array}$$

$4 = R$

1) Total hours = 2280

Hours in a day = 24

No. of days in 2280 hours = $2280 \div 24$

$$\begin{array}{r}
 95 \\
 24 \overline{) 2280} \\
 \underline{216} \\
 120 \\
 \underline{120} \\
 0
 \end{array}$$

So, 95 days are there in 2280 hours.

2) Total no. of chairs = 5048

No. of rows = 42

No. of chairs in each row = 5048 ÷ 42

$$\begin{array}{r} 120 - 0 \\ 42 \overline{) 5048} \\ \underline{42} \\ 84 \\ \underline{-84} \\ 08 \\ \underline{-0} \\ 8 - R \end{array}$$

So, 120 chairs are there
in each row.