

② An army camp has a 30 day stock of food for 9000 soldiers. 150 soldiers leave the camp. Tell how many days same stock of food will be sufficient for soldiers?

Days	soldiers
30	9000
↑ x 750	750 ↓

$$\frac{x}{30} = \frac{9000}{750}$$

$$x = \frac{9000}{750} \times 30$$

$$x = 36 \text{ days}$$

$$\begin{array}{r} 2 \\ 3 \overline{) 75} \\ \underline{6} \\ 18 \\ \underline{18} \\ 0 \end{array}$$

$$\begin{array}{r} 5 \\ 5 \overline{) 900} \\ \underline{5} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

$$\begin{array}{r} 3 \\ 5 \overline{) 180} \\ \underline{15} \\ 30 \\ \underline{30} \\ 0 \end{array}$$

Right the final answer in the form of statement s

③ A fort had enough food for 80 soldiers for 60 days. How long would the food last if ²⁰ more soldiers join after 15 days?

food for Soldiers

Days

80	60 - 15 = 45
↓ 100	x x ↓

$$\frac{x}{45} = \frac{80}{100}$$

$$x = \frac{80}{100} \times 45$$

$$x = 36 \text{ days}$$

15 days later = 51 days

① 14 cows eat 63kg grass in 18 days. How many cows will eat 770kg grass in 28 days?

Grass	Cows	Days
63	14	18
↑ 770	↑ x	28 ↓

$$\frac{x}{14} = \frac{770}{63} \times \frac{18}{28}$$

$$x = \frac{110}{14} \times 14$$

$$x = 110 \text{ cows}$$

$$\begin{array}{r} 11 \\ 7 \overline{) 770} \\ \underline{77} \\ 0 \end{array}$$

② A food factory manufactures 560 fans in 7 days with 20 machines. How many fans would be manufactured in 12 days with 18 machines?

Fans	Days	Machines
560	7	20
↑ x	12 ↑	18 ↑

$$\frac{x}{560} = \frac{12}{7} \times \frac{18}{20}$$

$$x = \frac{54}{35} \times 560 \times 12$$

$$x = \frac{54 \times 112}{7}$$

$$x = \frac{6048}{7}$$

$$x = 8514$$

$$\begin{array}{r} 6 \\ 7 \overline{) 54} \\ \underline{42} \\ 12 \end{array}$$

$$\begin{array}{r} 112 \\ 54 \overline{) 560} \\ \underline{448} \\ 112 \\ \underline{112} \\ 0 \end{array}$$

$$\begin{array}{r} 12 \\ 7 \overline{) 84} \\ \underline{56} \\ 28 \\ \underline{28} \\ 0 \end{array}$$

A man left his property of RS 640,000. A debt of RS 40,000 was due to him and RS 5000 was spent on his burial. Distribute the amount b/w his ~~sons~~ widow, one daughter and two sons according to islamic law.

$$\text{Total} = 640,000/-$$

$$\text{Debt} = 40,000/-$$

$$\text{Spent on burial} = 5000/-$$

$$\text{Total spent} = 40,000 + 5000 = 45,000/-$$

$$\begin{aligned} \text{Remaining} &= 640,000 - 45,000 \\ &= 595,000/- \end{aligned}$$

Widow

Widow : 2 Sons : Daughter

$$1/8 : 4 : 1$$

$$0.125 : 4 : 1 \quad 5.125 \text{ parts}$$

$$\text{Widow's share} = \frac{0.125}{5.125} \times 595,000$$

$$\text{Sons' share} = \frac{4}{5.125} \times 595,000$$

$$\text{Daughter's share} = \frac{1}{5.125} \times 595,000$$

The answers??