

Finding a fraction of a number

- Method:
- 1) Divide the given whole number by the denominator of the fraction
 - 2) Multiply that answer by the numerator.

Eg 1) Find $\frac{7}{8}$ of 120
7 times $\frac{1}{8}$ of 120

$$\begin{aligned} 1) \quad & 120 \div 8 = 15 \\ & \frac{1}{8} \text{ of } 120 \text{ is } 15 \\ & 15 \times 7 = 105 \end{aligned}$$

120 whole number
8 denominator

$$\begin{aligned} & \frac{7}{8} \text{ of} \\ & 120 = 105 \end{aligned}$$

Eg2) Find $\frac{1}{4}$ of 24
whole number \div denominator = 6
 $24 \div 4 = 6$

Eg3) Find $\frac{3}{4}$ of 36
36 whole number
4 denominator
 $36 \div 4 = 9$
 $\frac{1}{4} = 9$

3 times $\frac{1}{4}$ of 36
 $3 \times 9 = 27$

Pg 57 Q5 (iii) \rightarrow (vi).

iii) $\frac{2}{5}$ of 65

$$65 / 5 = 13 \times 2 = 26$$

iv) $\frac{3}{10}$ of 80 =

$$\frac{80}{10} = 8 \times 3 = 24$$

v) $\frac{4}{9}$ of 63 =

$$63 / 9 = 7 \times 4 = 28$$

Divide by the bottom
+ multiply by the top.

vi) $\frac{4}{7}$ of 490

$$\frac{490}{7} = 70 \times 4 = 280$$

Pg 57 Q 6 \rightarrow 8 H/w