HW
22.11.21

Ex 13(B)

1. Find.

e. 24% of 60 litres $= \frac{24}{100} \times 60 = 14.4$ l

f. 45% of 900 meters $= \frac{45}{100} \times 900 = 405$ m

g. 80% of 1200 $= \frac{80}{100} \times 1200 = 960$

h. $37\frac{1}{2}$ % of 140 kg $= \frac{75}{2} \div 100 \times 140$

$= \frac{75}{2} \times \frac{1}{100} \times 140 = \frac{105}{2} = 52.5$ kg

i. 140% of ₹1500 $= \frac{140}{100} \times 1500 =$ ₹2100

2. Express.

g. 350m as a perecentage of 3.5 km

= 1km = 1000 m

= 3.5km = 3.5 × 1000

= $\frac{35}{10} \times 1000$ = 3500 m

∴ 350m of 3.5km

= $\frac{350}{3500} \times 100$ = 10%

h. 250g as a percentage of 2 kg

= 1kg = 1000 g

2kg = 2 × 1000 = 2000 g

∴ 250 g of 2kg

= $\frac{250}{2000} \times 100 = \frac{25}{2}$ = 12.5%

i. 75 p as a percentage of ₹4

= ₹1 = 100 p

₹4 = 4 × 100 = 400 p

∴ 75 p of ₹4

= $\frac{75}{400} \times \frac{100}{1} = \frac{75}{4} = 18.75\%$

j. 24 cm as a percentage of 2.5 m

= 1 m = 100 cm

2.5 m = 2.5 × 100

= $\frac{25}{10} \times 100 = 250$ cm

∴ 24 cm of 2.5 m

= $\frac{24}{250} \times \frac{100}{1} = \frac{48}{5} = 9.6\%$