

### Exercise 13B

I a  $35\%$  of  $700 = \frac{35}{100} \times 700 = 245$

b  $19\%$  of  $600 = \frac{19}{100} \times 600 = 114$

c  $21\%$  of  $\text{₹}1800 = \frac{21}{100} \times 1800 = 1680$  378

d  $16\frac{2}{3}\%$  of  $\text{₹}3000 = \frac{182}{13} \times \frac{1000}{3000} = 182000$  500

e 25% of 60 litres

$$\frac{25}{100} \times 60 = 15 \text{ litres}$$

f 45% of 900 metres

$$\frac{45}{100} \times 900 = 405 \text{ m}$$

g 80% of 1200

$$\frac{80}{100} \times 1200 = 960$$

h  $37\frac{1}{2}$  % of 140 kg

$$37\frac{1}{2} \times 140 = 5180$$

i 140% of ₹1500

$$\frac{140}{100} \times 1500 = 2100$$

2 Express

a 15 paise as percentage of ₹1 =

$$\frac{15}{100} \times 100 = 15\%$$

b 20 as percentage of 25 =  $\frac{20}{25} \times 100 = 80\%$

~~$$\frac{20}{25} \times 100 = 80\%$$~~

c 6cm as percentage of 1m = 6%

d 5cm as percentage of 2m = 2.5%

e) 12g as percentage of 500g =  $\frac{12}{500} \times 100 = \frac{12}{5} = 2.4\%$

f 10 l as a percentage of 15 l =  $\frac{10}{15} \times \frac{20}{100} = \frac{200}{3} =$

$66\frac{2}{3}\%$

g 350 m as a percentage of 3.5 km =  $\frac{350}{3500} \times 100 =$

$\frac{350}{35} = 10\%$

h 250 g as a percentage of 2 kg =

12.5%

i) 75 p as a percentage of ₹4 =

$\frac{75}{4} \times \frac{100}{100} = \frac{75}{4} = 18.75$

j 24 cm as a percentage of ~~₹4~~ 2.5 m

$\frac{24}{250} \times 100 = \frac{24}{5} = 4.8\%$