

CW
22/11/21

EXERCISE 13 (B)

1. Find

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

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

c. 21% of $\text{£} 1800 = \frac{21}{100} \times 1800 = \text{£} 378$

d. $16\frac{2}{3}\%$ of $\text{£} 3000 = \frac{50}{3} \times 3000$

HW

$\frac{50}{3} \times \frac{1}{100} \times \frac{1000}{3000} = \text{£} 500$

e. 24% of $60\text{ L} = \frac{24}{100} \times 60 = \frac{144}{10} = 14.4$

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

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

h. $37\frac{1}{2}\%$ of $140 = \frac{75}{2 \times 100} \times 140 = \frac{1050}{2} = 52.5$

i) 140% of $\text{£} 1500 = \frac{140}{100} \times 1500 = \text{£} 2100$

2. Express

$$a. 15 \text{ paise as percentage of } ₹ 1 = \frac{15}{100} \times 100 = 15\%$$

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

$$c. 6 \text{ cm as percentage of } 1 \text{ m} = \frac{6}{100} \times 100 = 6\%$$

$$d. 5 \text{ cm as percentage of } 2 \text{ m} = \frac{5}{200} \times 100 = 2\frac{1}{2}\%$$

$$e. 12 \text{ g as percentage of } 500 \text{ g} = \frac{12}{500} \times 100 = 2\frac{4}{5}\%$$

$$f. 10 \text{ L as percentage of } 15 \text{ L} = \frac{10}{15} \times 100 = \frac{200}{3} = 66\frac{2}{3}\%$$

$$g. 350 \text{ m as percentage of } 3.5 \text{ km} = \frac{350}{3500} \times 100 = 10\%$$

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

$$h. 250 \text{ g as percentage of } 2 \text{ kg} = \frac{250}{2000} \times 100 = \frac{25000}{20000} = 125\%$$

$$i. 75 \text{ p as a percentage of } ₹ 4 = \frac{75}{400} \times 100 = 75 \div 4 =$$

$$18\frac{3}{4} = 18.75\%$$

$$j) 24 \text{ cm as percentage of } 2.5 \text{ m} = \frac{24}{250} \times 100 = \frac{240}{25}$$

$$= 240 \div 25 = 9.6\%$$