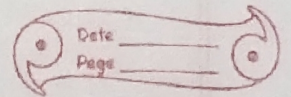


20/July

H/W

Exercise 7(A)



$$(15) \quad 35\% = 125 + 15 \\ = 140$$

$$1\% = \frac{140}{35}$$

$$= 4$$

$$100\% = 4 \times 100$$

$$= 400$$

$$(16) \quad \text{John} = \frac{150}{100} \times 80 \\ = 120$$

$$\text{Mohan's to John's} = \\ = \frac{96}{120} \times 100 \\ = 80\%$$

$$\text{Mohan} = \frac{150}{100} \times 64 \\ = 96$$

$$(17) \quad \text{No} = 8000$$

$$\text{increased} = 8000 + \frac{8000}{100} \times 20 \\ = 8000 + 1600 \\ = 9600$$

$$\text{decreased} = 9600 - \frac{9600}{100} \times 20 \\ = 9600 - 1920 \\ = 7680$$

So, the no we got is 7680

$$(18) \quad \text{No} = 12000$$

$$\text{decrease} = 12000 - \frac{12000}{100} \times 25 \\ = 12000 - 3000 \\ = 9000$$

$$\begin{aligned} \text{increase} &= 9000 + \frac{200}{100} \times 125 \\ &= 9000 + 250 \\ &= 11250 \end{aligned}$$

So, we get 11250.

(19) let the cost of article = ₹100

$$\begin{aligned} \text{increase} &= 100 + \frac{100}{100} \times 20 \\ &= 100 + 20 \\ &= ₹120 \end{aligned}$$

$$\begin{aligned} \text{decrease} &= 120 - \frac{100}{100} \times 30 \\ &= 120 - 30 \\ &= ₹90 \end{aligned}$$

So, we get ₹90

(20) let the cost of article = ₹100

$$\begin{aligned} \text{decrease} &= 100 - 25 \\ &= ₹75 \end{aligned}$$

$$\begin{aligned} \text{decrease again} &= 75 - \frac{25}{100} \times 75 \\ &= 75 - 18.75 \\ &= ₹56.25 \end{aligned}$$

So, we get ₹56.25