

DATA INTERPRETATION

P.9 NO:-95

5. $x \rightarrow$ below poverty line
 $38\% \text{ of } x = 12160$
 $x = 32000$

$$x = 16\% = 32000$$

$$1\% = 2000$$

$$S = 11\% = ?$$

$$11\% = 22000$$

6. $I \qquad \qquad \qquad Z$

$$46\% \text{ of } 21\% \quad : \quad 42\% \text{ of } 11\%$$

$$\frac{46}{100} \times \frac{21}{100} \quad : \quad \frac{42}{100} \times \frac{11}{100}$$

$$23 \quad : \quad 11$$

7. $R = 16\% = 32000$

$$1\% = 2000$$

$$Y = 15\% = ?$$

$$Y = 15 \times 2000 = 30000$$

↓

below poverty

$$50\% \text{ of } x = 30000$$

$$x = \frac{30000 \times 100}{50}$$

$$x = 15600$$

8. $y = 15\% = 30000 \rightarrow 2007$

$$1\% = 2000$$

$$V = 10\% = 10 \times 2000 = 20000 \rightarrow 2007$$

$$V = 10\% \uparrow = \frac{11.0}{100} \times 20000 = 22000 \rightarrow 2008$$

↓

$$58\% \text{ of } x = 22000$$

$$x = 12760$$

9.

R
/
10% ↑

51% of 16%

$$\frac{110}{100} \times \frac{51}{100} \times \frac{16}{100}$$

2

Z

5% ↓

42% of 11%

$$\frac{95}{100} \times \frac{42}{100} \times \frac{11}{100}$$

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1. $CP = 40N + 3000$

$SP = 60N$

profit = 1000/-

$SP - CP = \text{profit}$

$60N - (40N + 3000) = 1000$

$N = 200$

2. $A \xrightarrow{20\% \uparrow} B \xrightarrow{10\% \downarrow} C \xrightarrow{10\% \uparrow}$

$R = 110$ $SP = 1188$

$C - P = \frac{100}{120} \times \frac{100}{90} \times \frac{100}{110} \times 1188$

$CP = 1000$

price = 1000 - Repairs

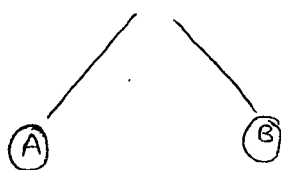
$= 1000 - 110$

$= 890 \text{ Rs.}$

5. $1400 \times \frac{80}{100} \times \frac{90}{100}$

$= 1008$

6. $RS. 650$



profit = 20% ↑

Loss = 25% ↑

$SP = SP$

$CP = x$

$CP = (650 - x)$

$\frac{120}{100} \times x = \frac{75}{100} \times (650 - x)$

$x = 250$

$CP = 650 - 250$

$= 400$

3. $M \xrightarrow{18\% \uparrow} W \xrightarrow{20\% \uparrow} R \xrightarrow{25\% \uparrow} C$

$SP = 30.09$

$CP = \frac{100}{118} \times \frac{100}{120} \times \frac{100}{125} \times 30.09$

$= 17/-$

7. $CP = 150 \times 250 + 2500 = 40,000$

$SP = 320 \times \frac{95}{100} = 304$

$SP = 304 \times 150 = 45,600$

profit (%) = $\frac{SP - CP}{CP} \times 100$

$= \frac{45600 - 40000}{40000} \times 100$

$= 14\%$