

$$\text{Ans 1 } 5:8 = \frac{5}{8}$$

$$\text{Percentage} = \frac{5}{8} \times 100 = 62.5\%$$

$$\text{Ans 2 } \text{Savings spent on car} = \frac{1}{2}$$

$$\text{Percentage spent on his car} = \frac{1}{2} \times \frac{100}{1} = 50\%$$

$$\text{Ans 3 } \frac{55}{100} \times 160 = 88$$

$$\frac{24}{100} \times 180 = 12$$

$$\frac{36}{100} \times 150 = 54$$

~~Acc~~ ~~Acc~~ According to question

$$88 + 12 - 54 = 46$$

Ans 4 $a = 42$

$$\begin{aligned} & 8.4\% \text{ of } a \\ &= \frac{84}{1000} \times 42 \\ &= 3.528 \end{aligned}$$

Ans 5

$$15\% \text{ of his salary} = \text{Rs } 120$$

$$1\% \text{ of his salary} = \frac{120}{15}$$

$$= \text{Rs } 8$$

$$\begin{aligned} \text{His total salary} &= \text{Rs } 8 \times 100 \\ &= \text{Rs } 800 \end{aligned}$$

Ans 6 Good apples = $800 - 50$
 $= 750$

$$\begin{aligned} \text{Percentage} &= \frac{750}{800} \times 100 \\ &= 93.75 \end{aligned}$$

Ans 7 Let the original salary = x

$$x + 20\% \text{ of } x = 150000$$

$$x \left(\frac{1+20}{100} \right) = 150000$$

$$x \left(\frac{6}{5} \right) = 150000$$

$$x = 150000 \times \frac{5}{6} \quad x = 125000$$

Ans 8 Percentage of money he saves = $100\% - 87\%$
 $= 13\%$

If 13% of his salary = Rs 325

Then 1% of his salary = $\frac{\text{Rs } 325}{13}$

$= 25$

Then his total salary = 25×100
 $= \text{Rs } 2500$

$$\text{\$ Ans. 10} \quad \text{Candidate lost by vote percent} = 100\% - 47\% \\ = 53\%$$

Let total votes be x

$$\frac{53}{100}x - \frac{47}{100}x = 12366$$

$$\frac{6}{100}x = 12366$$

$$x = 206100$$

$$\text{Total votes} = 206100$$

$$\text{Winning Candidate won} = \frac{53}{100} \times 206100 = 109233$$