

7. (i) 252 is 35% of a certain number, find the number.

Let the no = x

$$\text{Ans- } = (100 - 35)\% = 65$$

$$= \frac{35}{100} \times x = 252$$

$$= \frac{252 \times 100}{35} = 720$$

5. Find the percentage change, when a number is changed from.

(i) 80 to 100

Ans- Original number = 80
New number = 100,
change = $(100 - 80) = 20$

\therefore Percentage (increase)

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

(ii) original number = 100
New number = 80
change $(100 - 80) = 20$

$$\therefore \text{percentage change (decrease)} = \frac{20}{100} \times 100 = 20\%$$

(iii) Original number = 6.25,
New number = 7.50
percentage (increase) = $(7.50 - 6.25) = 1.25$

$$\therefore \text{increase} = \frac{1.25}{6.25} \times 100 = 20\%$$

Q6- An auctioneer charges 8% for selling a house is sold for Rs. 2,30,500; find charges of the auctioneer.

Ans- Selling price of the house = Rs. 2,30,500
Rate of charges of the auctioneer.

$$\therefore \text{Charges of the auctioneer} = 8\% \text{ of } 2,30,500 \\ = \frac{8}{100} \times 2,30,500$$

$$= \text{Rs. } 18,440$$

Q7- Out of 800 oranges, 50 are rotten. Find the percentage of good oranges.

Ans- Rotten oranges = 50
Number of good oranges = 800 - 50
= 750

$$\text{Percentage of good oranges} = \frac{750}{800} \times 100 \\ = \frac{150}{8} = 37\frac{3}{4} \%$$

Q8- A cistern contains 5 thousand liters of water. If 60% water is leaked find how many liters of water are left in the cistern.

Ans water in the cistern = 5000 liters.

$$\text{Quantity of water leaked} = \frac{60}{100} \times 5000 \\ = 3000 \text{ liters.}$$

$$\text{Quantity of water left in the cistern,} \\ = (5000 - 3000) \text{ litres} = 2000 \text{ litres.}$$