(4) (i) 252 is 35% of a certain number, find the numb

= 252 = 35% of x.

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

$x = 720$.

(ii) if 14% of a number is 315, find the number.

→ 315 = 14% of x

= $315 = \frac{14}{100} \times x$

= $x = 2250$.

(5) Find the percentage change, when a number is changed from;

(i) 80 to 100.

→ Original number = 80
New number = 100
change = (100 - 80) = 20

∴ Percentage change (increase)

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

(ii) 100 to 80.

⇒ Original number = 100
New number = 80
change (100 - 80) = 20

∴ Percentage change (decrease) $= \frac{20}{100} \times 100$

$= 20\%$

(iii) 6·25 to 7·50.

⇒ Original number = 6·25.
New number = 7·50.

change (increase) = (7·50 - 6·25) = 1·25

∴ Increase $= \frac{1·25}{6·25} \times 100 = 20\%$.

(6) An auctioneer charges 8% for selling a house. If the house is sold for ₹ 2,30,500. Find the charges of the auctioneer.

→ Selling price of the house = ₹ 2,30,500

Rate of charges of the auctioneer = 8% of selling price

charges of the auctioneer = 8% of ₹ 2,30,500.

= $\frac{8}{100} \times 2,30,500$ = ₹ 18,440.

(7) Out of 800 oranges, 50 are found rotten. Find the percentage of good oranges.

→ Good oranges are = 800-50 = 750 oranges.

percentage of good oranges = $\frac{150}{800} \times 100 = \frac{375}{4}$ %.

$= 93\frac{3}{4}$ %.

So, the answer is $93\frac{3}{4}$ %.