

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

Let the number be x
~~25%~~

ATQ

$$35\% \text{ of } x = 252$$

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

$$\Rightarrow x = \frac{252 \times 100}{35} = 36 \times 20$$

$$\Rightarrow x = 720$$

5) Find the

i) 20 to 100

ii) 100 to 80

Original value = 20
New value = 100

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New value = 80

Change = 20

Change = 20%

$$\% \text{ change} = \frac{20}{20} \times 100 = 100\%$$

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iii) 6.75 to 7.50

Original value = 6.75
New value = 7.5

$$\text{Change} = 7.50 - 6.75 = 0.75$$

$$\% \text{ change} = \frac{0.75}{6.75} \times 100 = \frac{75}{675} \times 100 = 100\%$$

Charges for selling a house = 2%
If the house is sold for ₹ 2,30,500
Then charges of the auctioneer = 2% of 2,30,500
$$= \frac{2}{100} \times 2,30,500$$
$$= 12440.$$

7) Total oranges = 800
No. of oranges found rotten = 50
good oranges = 800 - 50
$$= 750$$
$$\% \text{ of good oranges} = \frac{750}{800} \times 100$$
$$= 93 \frac{3}{4} \%$$

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