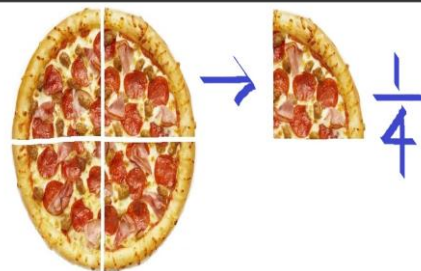


CONCEPT 01

$\frac{1}{2} = 50\%$	$\frac{1}{8} = 12.50\% \text{ or } 12\frac{1}{2}\%$
$\frac{1}{3} = 33.33\% \text{ or } 33\frac{1}{3}\%$	$\frac{1}{9} = 11.11\% \text{ or } 11\frac{1}{9}\%$
$\frac{1}{4} = 25\%$	$\frac{1}{11} = 9.09\% \text{ or } 9\frac{1}{11}\%$
$\frac{1}{5} = 20\%$	$\frac{1}{12} = 8.33\% \text{ or } 8\frac{1}{3}\%$
$\frac{1}{6} = 16\frac{2}{3}\%$	$\frac{1}{14} = 7.14\% \text{ or } 7\frac{1}{7}\%$
$\frac{1}{7} = 14.28\% \text{ or } 14\frac{2}{7}\%$	$\frac{1}{15} = 6.66\% \text{ or } 6\frac{2}{3}\%$



NOTE :

$$\frac{1}{3} = 33\frac{1}{3}\% \Rightarrow \frac{2}{3} = 66\frac{2}{3}\%$$

$$\frac{1}{8} = 12.5\% \Rightarrow \frac{3}{8} = 37.5\%$$

$$8\frac{1}{3}\% \text{ of } 600 + 37\frac{1}{2}\% \text{ of } 400$$

$$11\frac{1}{9}\% \text{ of } 27 + 66\frac{2}{3}\% \text{ of } 33 + 8\frac{1}{3}\% \text{ of } 24$$



Q.3

25% of a number is 20.what is 40% of that number also find the number ?

Q.4

If the price of one Kg of wheat is increased by $12\frac{1}{2}\%$, the increase is Rs.5 . Find the original and new price of wheat per Kg ?

Q.5

A and B appeared in an examination . If the difference of their marks is 25 and percentage of their marks is given as 20 %. Find the full marks for which examination has been held ?

Q.6

If the price of one Kg of rice is increased by 25%, the increase is Rs 12. Find the new Price of rice per kg ?



CONCEPT 02:

1. $\text{Percentage } \underline{\text{Change}} = \frac{\text{Final} - \text{Initial}}{\text{Initial}} \times 100$

2. Quantity I is how much percent of Quantity II

$$\frac{\text{Quantity I}}{\text{Quantity II}} \times 100$$

3. Quantity I is how much percent more than Quantity II

$$\frac{\text{Quantity I} - \text{Quantity II}}{\text{Quantity II}} \times 100$$

4. Quantity I is how much percent less than Quantity II

$$\frac{\text{Quantity II} - \text{Quantity I}}{\text{Quantity II}} \times 100$$

Q.7 What percent is 2 minutes 24 seconds of an hour?

a. 6%

b. 2%

c. 4%

d. 8%

Q 8.

If Arjun's salary is 20% more than that of Bheem, then how much percent is Bheem's salary less than that of Arjun?

1) 16.66% 2) 20% 3) 40% 4) 10% 5) None of these

Q.9.

If A's salary is 25% less than B's salary, then B's salary is what % more than A's salary?

1) Cannot be determined

2) 21

3) 33.33

4) 25

5) 20

Q.10.

Journalist Popatlal's income is 37.5% less than Dr. Iyyer's. Then Dr. Iyyer's income is how much % more than Popatlal's income?

Concept Population Bases

Q.11

The population of a town is 18000. It increases by 10% during first year and by 20% during the second year. The population after 2 years will be ?

(A) 19800

(B) 21600

(C) 23760

(D) None