

# HeMantra EduTech

Math : Percentage

Exercise:

30 marks out of 100 = 30 %

60 marks out of 200 =

24 marks out of 50 =

If 20 marks out of 25 = 80%

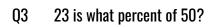
**50** marks out of **150** =

#### Q1. If A , B and C have $500 \, \text{rs}$ , $300 \, \text{rs}$ and $200 \, \text{rs}$

- i) A is what percent of B?
- ii) B is what percent of A?
- iii) C is what percent of A?
- iv) what percent is A more than B?
- v) B is what percent less than A?
- vi) B is what percent more thanC?
- vii) C is what percent less than B?







Q5 What percent of 6.5 liter is 130 ml?

Express each of the following as a fraction:

(i) 56% (ii) 4%

(iii) 0.6%

(iv) 0.08%



Express each of the following as a decimal:

(R.R.B., 2006)

(i) 6%

(ii) 28%

(iii) 0.2%

(iv) 0.04%

(v)  $\frac{1}{2}$ %

Express each of the following as rate percent:

(i) 
$$\frac{23}{36}$$

(iii) 
$$6\frac{3}{4}$$

63 % of 3 4/7 =

Q.10

Find the missing figures: (i)?% of 25 = 2.125

(i)?% of 
$$25 = 2.125$$

(ii) 
$$9\%$$
 of? =  $63$ 

(iii) 
$$0.25\%$$
 of? =  $0.04$ 

. 2% of 2 =?

(a)~0.04

(b) 0.4

(c) 0.02

(d) 0.004

Q.12

<u>30% of 80</u> = 24

?

Square root of 72% of 80 =



Q.14 The population of a village has increased from 4000 to 6000 . Find the percentage increase In the population?



Q.15 The price of sugar decrease from 80 rs./kg to 60 rs./kg . Find the percentage of decrease



Q.16 A person saves 27% of his monthly income . If his monthly expenditure is  $5840 \, \text{rs.}$ , them find his monthly income .



Q.17 If 75% of a number is 600 then what will be 60% of the number?









 $Q.21\,$   $\,$  If a person's income is increased by 10% and 20% respectively , then by what percentage will his income increase



If person's income is increased by 10% and 20% respectively then by what percentage will his income decrease ?



A person's income first increased by 50%, then his income decreases by 40%. Then , how much percentage has his income decrease / increased as compared to before ?



If the price of  $\,$  book first decreased by 25% and then increased by 20% , then the not change in the price



The price of a radio was first increased by 20% what will be the increase or decrease % in the price of the radio ?

When Ram's income is 20% more than Hari's income then what percent is Haari's income less than Ram's income ?



A's salary is 20% less than B's salary B's salary is what percent more than A's salary?



- Q.28 A salary is 20% more money than B and B has 10% more money than C . Then tell -
- i) By what percentage does A have more money than C  $\ensuremath{\mathbf{?}}$
- ii) If C has  $400 \ \text{rs.}$  , how much money does A have ?

Q.29 Pramila scored 15% less marks than Jyoti and Jyoti scored 20% less marks than Ramila ,

Find - i) By percent are pramila's less marks less than Ramila's marks?

ii) If Ramila gets 300 marks , what will be pramila's marks ?

Q.30 If the price of vegetable ghee increased by 25% by what percent should Anita reduce its consumption so that the expenditure remains unchanged ?



Q.31 If the price of a edible oil increase by 25%, by how much percent should a housewife reduce the use of oil so that her expenditure on oil increase by 15%?



Q.32 When the price of oranges falls from 40 rs. / kg to 30 rs. / kg by how much percent should a person increase his consumption so that the expenditure remains unchanged ?



When the price of sugar falls by 20%, I got the opportunity to buy 5 kg of sugar extra for 600 rs .

Accordingly, how much was then price of sugar per kg before the price of reduction and new price = ?

If the price of tea increases by 10%, then a customer buys four kg less tea for 880 rs. Find the increased price and initial price of tea ?

## **THANK YOU**

