Percentage profit and loss

1) The length and the breadth of the rectangle are increase by 15% and 20% respectively. What is the percentage increase in the area of rectangle?

a) 38%

b) 42%

c) 46%

d) 50%

2) The length and the breadth of rectangle are increase by 12% and x% respectively, thereby area of rectangle increase by 40%. What is the value of x?

a) 25

b) 28

c) 31

d) 34

3) A sugar trader declares that he sells sugar at the cost price. However, he uses a weight of 450g instead of 500g. His percentage profit is:

a) 10%

b) $11\frac{1}{9}\%$

c) $12\frac{2}{9}\%$

d) 12%

4) The difference between CP and SP of a table fan is Rs 175 where it gives the profit of 14%. What is SP of that fan (in Rs.)?

a) 1225

b)1450

c)1425

d)1275

5) The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:

a) 15

b)16

c)18

d)25

6) Marked price of the article is Rs.100. It sold with first discount of 10% and second discount was half of the previous discount then find the selling price after the two successive discounts.

a) Rs.87.5

b) Rs.90

c) Rs.85.5

d) Rs.85

7) An article was sold at a profit of 20%. If both the cost price and selling price decreases by Rs.3000, then the profit would be 25%. Find the original cost price.

a) Rs. 15000

b) Rs. 30000

c) Rs. 45000

d) Rs. 60000

8) The loss incurred by selling 16m of a cloth equals the selling price of 4m of that cloth. Find the loss percentage.

a) 15%

b) 20%

c) 33.33%

d) 25%

9) A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?

a) 3

b) 4

c) 5

d) 6

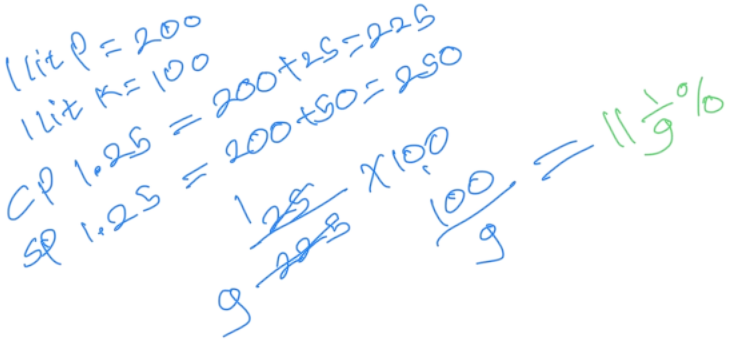
10) A trader mixes 25% kerosene to his petrol and then he sells the whole mixture at the price of petrol. If the cost price of kerosene be 50% of the cost price of petrol, what is the net profit percent?

a) $11\frac{1}{9}\%$

b) $12\frac{2}{9}\%$

c) $9\frac{1}{11}\%$

d) 20%



11) A shopkeeper sells his goods at the same price as what he pays his supplier. But when he buys from his supplier, he takes 10% more than the indicated weight and when he sells to his customers he gives 10% less than the indicated weight. Find his profit percentage.

a) $18\frac{2}{11}\%$

b) $22\frac{2}{9}\%$

c) $20\frac{2}{9}\%$

d) 20%