

Name: Ankita Durgude

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%

answer: a) 38%

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

answer: a) 25

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) 1
- c) 11-%
- d) 9

e) 2

f) 12-%

g) 9

h) 12%

answer: b) $11 \cdot 19 \frac{1}{9} 91\%$

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.)?

1225 b)1450 c)1425 d)1275

answer:c)1425

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:

15 b)16 c)18 d)25

answer: b) 16

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

answer: Rs.85.5

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

answer: Rs. 15000

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%

Correct answer: 20%

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

Correct answer: 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?

1

11—%

9

2

12—%

9

1

9—%

11

20%

Correct final answer: $14 \frac{2}{7} 72\%$

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.

2

18—%

11

2

22—%

9

2

20—%

9

20%

Correct answer: b) $22 \cdot 29 \frac{2}{9}$ 92%