HAL Aptitude Placement Papers

1. If the cost price of 10 items is equal to the selling price of 12 items, then the profit percentage is:

A) 20%
B) 25%
C) 30%
D) 50%

2. A train 120 meters long passes a platform 240 meters long in 30 seconds. What is the speed of the train?

A) 24 km/hr
B) 36 km/hr
C) 48 km/hr
D) 72 km/hr

3. The average of five consecutive numbers is 15. What is the largest of these numbers?

A) 16
B) 17
C) 18
D) 19

4. A man can do a piece of work in 8 days. How long will it take for 4 men to do the same work?

A) 2 days
B) 4 days
C) 6 days
D) 8 days

5. A car travels 120 km in 3 hours. How much distance will it cover in 5 hours at the same speed?

A) 160 km
B) 180 km
C) 200 km
D) 220 km

6. A sum of money amounts to Rs. 5760 in 2 years at compound interest. If the rate of interest is 10% per annum, what is the principal amount?

A) Rs. 5000
B) Rs. 5200
C) Rs. 5400
D) Rs. 5500

7. If 2x + 3 = 11, then the value of x is:

A) 2
B) 3
C) 4
D) 5

8. The perimeter of a rectangle is 60 meters. If the length is 18 meters, what is the width of the rectangle?

A) 10 meters
B) 12 meters
C) 15 meters
D) 20 meters

9. A number is increased by 20%. Afterward, it is decreased by 10%. What is the net percentage change in the number?

A) 8% increase
B) 10% decrease
C) 12% increase
D) 12% decrease

10. What is the area of a triangle with a base of 10 meters and a height of 12 meters?

A) 60 square meters
B) 70 square meters
C) 80 square meters
D) 90 square meters

11. A shopkeeper sells an article at a profit of 25%. If the cost price of the article is Rs. 400, what is the selling price?

A) Rs. 450
B) Rs. 500
C) Rs. 525
D) Rs. 600

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12. What is the LCM of 12, 15, and 20?

A) 60
B) 120
C) 180
D) 240

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13. The ratio of the ages of A and B is 3:4. If the sum of their ages is 35 years, what is the age of B?

A) 15 years
B) 18 years
C) 20 years
D) 21 years

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14. A coin is tossed 3 times. What is the probability of getting exactly two heads?

A) 1/8
B) 3/8
C) 1/4
D) 1/2

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15. A shopkeeper buys 50 items at Rs. 80 each and sells them at Rs. 100 each. What is his profit percentage?

A) 20%
B) 25%
C) 30%
D) 50%

Answer Key:

1. B) 25%

2. B) 36 km/hr
3. C) 18
4. A) 2 days
5. B) 180 km
6. A) Rs. 5000
7. A) 2
8. B) 12 meters
9. A) 8% increase
10. A) 60 square meters
11. B) Rs. 500
12. B) 120
13. C) 20 years
14. B) 3/8
15. B) 25%