NASSCOM Aptitude Placement Papers

1. If 4x - 3 = 13, what is the value of x?

Options:
A) 3
B) 4
C) 5
D) 6

Answer: B) 4

2. The sum of two consecutive even numbers is 30. What are the numbers?

Options:
A) 14 and 16
B) 12 and 18
C) 10 and 20
D) 6 and 24

Answer: A) 14 and 16

3. If the perimeter of a square is 40 cm, what is its area?

Options:
A) 100 cm²
B) 200 cm²
C) 400 cm²
D) 160 cm²

Answer: A) 100 cm²

4. The ratio of two numbers is 5:8. If their sum is 65, what is the smaller number?

Options:
A) 25
B) 30
C) 35
D) 40

Answer: A) 25

5. A train travels 150 km in 3 hours. What is its average speed?

Options:
A) 45 km/h
B) 50 km/h
C) 55 km/h
D) 60 km/h

Answer: B) 50 km/h

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6. What is the next number in the series: 2, 5, 10, 17, ___?

Options:
A) 24
B) 26
C) 30
D) 36

Answer: B) 26

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7. If 5 apples cost Rs. 60, how much will 8 apples cost?

Options:
A) Rs. 100
B) Rs. 120
C) Rs. 140
D) Rs. 150

Answer: B) Rs. 120

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8. A box contains 5 red balls, 7 green balls, and 8 blue balls. What is the probability of drawing a red ball?

Options:
A) 5/20
B) 5/10
C) 5/8
D) 7/20

Answer: A) 5/20

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9. The cost of 8 books is Rs. 320. What is the cost of 15 books?

Options:
A) Rs. 600
B) Rs. 500
C) Rs. 480
D) Rs. 450

Answer: C) Rs. 480

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10. A person can complete a work in 10 days. How many days will it take for 5 people to complete the same work?

Options:
A) 1 day
B) 2 days
C) 5 days
D) 2 days

Answer: B) 2 days

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11. If a number is divisible by both 3 and 5, what is the smallest number divisible by both?

Options:
A) 15
B) 30
C) 45
D) 60

Answer: A) 15

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12. The average of five numbers is 20. If one number is 25, what is the average of the remaining four numbers?

Options:
A) 18
B) 19
C) 20
D) 21

Answer: B) 19

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13. If the side of a square is increased by 50%, by what percentage does the area increase?

Options:
A) 100%
B) 150%
C) 200%
D) 250%

Answer: C) 200%

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14. What is the least common multiple (LCM) of 6 and 8?

Options:
A) 12
B) 16
C) 18
D) 24

Answer: D) 24

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15. A person sells an article at Rs. 800 with a profit of 25%. What was the cost price?

Options:
A) Rs. 625
B) Rs. 650
C) Rs. 700
D) Rs. 750

Answer: A) Rs. 625

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16. A clock shows the time 4:30. What is the angle between the hour and minute hands?

Options:
A) 90°
B) 105°
C) 120°
D) 135°

Answer: B) 105°

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17. If 30% of a number is 60, what is the number?

Options:
A) 100
B) 150

C) 200
D) 250

Answer: C) 200

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18. A person invests Rs. 5000 at 10% simple interest. What is the total amount after 2 years?

Options:
A) Rs. 6000
B) Rs. 5500
C) Rs. 6500
D) Rs. 7000

Answer: A) Rs. 6000

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19. A sum of money doubles itself in 5 years at simple interest. What is the rate of interest?

Options:
A) 5%
B) 10%
C) 15%
D) 20%

Answer: B) 10%

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20. The product of two consecutive integers is 306. What are the integers?

Options:
A) 17 and 18
B) 18 and 19
C) 14 and 15
D) 13 and 14

Answer: A) 17 and 18