Nokia Reasoning Placement Papers

1. If the average of 5 consecutive odd numbers is 35, then the largest of these numbers is:

a) 33
b) 37
c) 39
d) 41

Answer: b) 37

2. A train travels 60 km in 1 hour 30 minutes. What is its speed in km/h?

a) 40
b) 50
c) 60
d) 80

Answer: b) 50

3. In a class, 60% of the students are boys. If there are 240 students in the class, how many are girls?

a) 80
b) 90
c) 100
d) 120

Answer: d) 120

4. If the cost price of an article is Rs. 800 and the selling price is Rs. 960, what is the profit percentage?

a) 15%
b) 20%
c) 25%
d) 30%

Answer: b) 20%

5. A person bought 30 pens for Rs. 15 and sold them at Rs. 0.80 each. What is the percentage profit?

a) 20%
b) 25%
c) 30%
d) 35%

Answer: b) 25%

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6. If the sum of two numbers is 38 and their difference is 8, what are the numbers?

a) 18 and 20
b) 24 and 14
c) 22 and 16
d) 30 and 8

Answer: b) 24 and 14

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7. What is the value of 12 * 12 – 4 * 4 + 3?

a) 140
b) 145
c) 150
d) 155

Answer: b) 145

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8. A bag contains 5 red, 7 blue, and 8 green balls. What is the probability of picking a red ball at random?

a) 1/3
b) 5/20
c) 5/20
d) 1/4

Answer: b) 5/20

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9. A clock shows the time as 3:15. What is the angle between the hour hand and minute hand?

a) 7.5°
b) 22.5°

c) 30°
d) 45°

Answer: b) 22.5°

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10. The perimeter of a rectangle is 24 cm. If the length is 8 cm, what is the width of the rectangle?

a) 4 cm
b) 5 cm
c) 6 cm
d) 7 cm

Answer: a) 4 cm

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11. If the ratio of ages of A and B is 5:7, and the difference between their ages is 10 years, what is A's age?

a) 25
b) 30
c) 35
d) 40

Answer: a) 25

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12. A sum of money doubles in 5 years at simple interest. What is the rate of interest per annum?

a) 10%
b) 12%
c) 15%
d) 20%

Answer: a) 10%

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13. In a class of 40 students, 15 are girls. What is the probability that a student chosen at random is a girl?

a) 15/40
b) 25/40
c) 1/4
d) 3/4

Answer: a) 15/40

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14. A train 100 meters long is running at 60 km/h. How long will it take to cross a platform 200 meters long?

a) 12 seconds
b) 18 seconds
c) 20 seconds
d) 24 seconds

Answer: c) 20 seconds

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15. The area of a circle is 154 square cm. Find its radius. (Use $\pi = 22/7$)

a) 5 cm
b) 7 cm
c) 10 cm
d) 14 cm

Answer: b) 7 cm