Atlas Copco Quantitative Ability Placement Paper

1. What is the value of $3\frac{3}{4} + \frac{2}{5}$?
Options:
A) $\frac{23}{20}$
B) $\frac{31}{20}$
C) $\frac{17}{20}$
D) $\frac{15}{20}$

2. The perimeter of a square is 48 cm. What is its area?
Options:
A) 576 cm²
B) 144 cm²
C) 225 cm²
D) 64 cm²

3. The sum of three consecutive integers is 72. What is the middle integer?
Options:
A) 23
B) 24
C) 25
D) 26

4. A train travels 150 km in 3 hours. What is its average speed?
Options:
A) 40 km/h
B) 50 km/h
C) 60 km/h
D) 70 km/h

5. If a number is divisible by both 3 and 5, what is the least number divisible by both?
Options:
A) 10
B) 15
C) 30
D) 60

6. What is the value of $7x - 4 = 26$?
Options:
A) 4
B) 5
C) 6
D) 7

7. A man invests $5000 at 10% annual interest. How much interest will he earn in 1 year?
Options:
A) $400

B) $500

C) $600

D) $700

8. In a right triangle, one leg is 6 cm and the other leg is 8 cm. What is the length of the hypotenuse?

Options:

A) 10 cm

B) 12 cm

C) 14 cm

D) 16 cm

9. A box contains 5 red balls and 3 blue balls. What is the probability of picking a red ball?

Options:

A) 38\frac{3}{8}83

B) 58\frac{5}{8}85

C) 12\frac{1}{2}21

D) 53\frac{5}{3}35

10. The area of a rectangle is 60 cm². If the length is 12 cm, what is the width?

Options:

A) 5 cm

B) 6 cm

C) 7 cm

D) 8 cm

11. What is the value of 8×9−78 \times 9 - 78×9−7?

Options:

A) 58

B) 65

C) 72

D) 80

12. If a number is divisible by both 4 and 6, what is the least common multiple?

Options:

A) 12

B) 24

C) 48

D) 36

13. A sum of money is divided between A, B, and C in the ratio 3:4:5. If the total sum is $720, how much does A get?

Options:

A) $150

B) $180

C) $200

D) $250

14. What is the mean of the following numbers: 2, 4, 6, 8, 10?

Options:

A) 4
B) 5
C) 6
D) 7

15. If a person travels 60 km at 40 km/h and 80 km at 60 km/h, what is his average speed for the entire journey?
Options:
A) 48 km/h
B) 50 km/h
C) 52 km/h
D) 54 km/h

16. The perimeter of a circle is 31.4 cm. What is its radius?
Options:
A) 5 cm
B) 6 cm
C) 7 cm
D) 8 cm

17. What is the next number in the sequence: 2, 5, 10, 17, 26?
Options:
A) 35
B) 36
C) 37
D) 38

18. A bottle contains 600 ml of liquid. How much liquid remains if 450 ml is used?
Options:
A) 150 ml
B) 250 ml
C) 300 ml
D) 350 ml

19. The sum of two numbers is 36, and their difference is 4. What are the numbers?
Options:
A) 14 and 22
B) 18 and 22
C) 20 and 16
D) 24 and 12

20. If the length of a rectangle is doubled and the width is halved, how does the area change?
Options:
A) The area is halved
B) The area remains the same
C) The area is doubled
D) The area is quadrupled

21. A man sells an article for $1200 at a gain of 20%. What was the cost price?
Options:

A) $1000
B) $1100
C) $1150
D) $1200

22. What is the next number in the sequence: 3, 6, 12, 24, 48?
Options:
A) 50
B) 52
C) 96
D) 98

23. A tank is filled in 5 hours. How long will it take to fill the same tank if the rate of filling is doubled?
Options:
A) 2 hours
B) 2.5 hours
C) 3 hours
D) 4 hours

24. If a person saves $500 every month for 12 months, how much does he save in a year?
Options:
A) $5000
B) $6000
C) $7000
D) $8000

25. The number of students in a class is 40. If 60% of the students are girls, how many boys are there in the class?
Options:
A) 16
B) 18
C) 24
D) 28

26. If a car travels 100 km in 2 hours, what is its speed?
Options:
A) 40 km/h
B) 50 km/h
C) 60 km/h
D) 70 km/h

27. What is the value of 122−8212^2 - 8^2122−82?
Options:
A) 36
B) 72
C) 144
D) 208

28. A man travels 50 km in 1 hour 30 minutes. What is his average speed?
Options:

A) 30 km/h
B) 35 km/h
C) 40 km/h
D) 45 km/h

29. The sum of the angles in a triangle is 180°. If two angles are 50° and 60°, what is the third angle?
Options:
A) 50°
B) 60°
C) 70°
D) 80°

30. What is the value of 23×34\frac{2}{3} \times \frac{3}{4}32×43?
Options:
A) 12\frac{1}{2}21
B) 13\frac{1}{3}31
C) 512\frac{5}{12}125
D) 14\frac{1}{4}41

Answers:

1. B
2. B
3. B
4. B
5. C
6. B
7. B
8. A
9. B
10. B
11. B
12. B
13. B
14. B
15. A
16. A
17. C
18. A
19. A
20. B
21. A
22. C
23. A
24. B
25. C
26. B
27. B

28. B
29. C
30. A