

**Question 1: Which animal is a mammal?**

- a) Crocodile
- b) Snake
- c) Whale
- d) Sparrow

**Question 2: What is the missing number in the sequence: 4, 9, 16, 25, ?**

- a) 30
- b) 36
- c) 49
- d) 40

**Question 3: In a coded language, PAPER is written as QBQFS. How is PLANT written?**

- a) QMBOT
- b) QNBOU
- c) QMBOU
- d) QMBPT

**Question 4: A rectangular garden has length 12 m and width 8 m. What is its perimeter?**

- a) 20 m
- b) 40 m
- c) 60 m
- d) 80 m

**Question 5: In a class, there are twice as many books as magazines. If there are 48 publications total, how many are magazines?**

- a) 12
- b) 16
- c) 24
- d) 32

**Question 6: The total of the ages of a father and son is 45 years. The father is 33 years older than the son. How old is the son?**

- a) 6
- b) 9
- c) 12
- d) 15

**Question 7: If 5 machines take 5 minutes to make 5 toys, how many minutes do 100 machines need to make 100 toys?**

- a) 1 minute
- b) 5 minutes
- c) 10 minutes
- d) 20 minutes

**Question 8: In a survey, 60% of students like reading and 50% like sports. If 20% like both, what percent like at least one of the two activities?**

- a) 80%
- b) 90%
- c) 100%
- d) 110%

**Question 9: Choose the antonym of 'calm':**

- a) Excited
- b) Malicious
- c) Pleased
- d) Careful

**Question 10: A rectangle has a perimeter of 40 units and one side length is 8 units. What is the length of the other side?**

- a) 8
- b) 10
- c) 12
- d) 14

**Question 11: Complete the analogy: Eyes are to vision as ears are to \_\_\_\_.**

- a) hearing
- b) sound
- c) listening
- d) communication

**Question 12: A car travels 150 km in 2.5 hours. What is its average speed in km per hour?**

- a) 50
- b) 55
- c) 60
- d) 65

**Question 13: A library has 120 books. One quarter of them are fiction, and half of the rest are science books. How many science books are there?**

- a) 20
- b) 30
- c) 45
- d) 60

**Question 14: A shopkeeper sells 60% of his stock and still has 80 items left. How many items did he have initially?**

- a) 120
- b) 150
- c) 200
- d) 220

**Question 15: In the sequence where each term is twice the previous term minus 1, starting with 2, what is the 5th term?**

- a) 15
- b) 17
- c) 18
- d) 19

**Question 16: The sum of two consecutive even numbers is 54. What is the smaller number?**

- a) 24
- b) 26
- c) 28
- d) 30

**Question 17: A car travels 60 km in 1 hour 15 minutes. What is its speed in km/hr?**

- a) 45.6
- b) 46
- c) 48
- d) 50

**Question 18: Which number does not belong in the set: 81, 64, 16, 72?**

- a) 81
- b) 64
- c) 16
- d) 72

**Question 19: A bag has 5 red, 3 blue, and 2 green marbles. If one marble is drawn at random, what is the probability of picking a green marble?**

- a) 10%
- b) 15%
- c) 20%
- d) 25%

**Question 20: Complete the analogy: Cup is to coffee as bowl is to \_\_\_\_.**

- a) soup
- b) salad
- c) tea
- d) plate

**Question 21: Nina is older than Peter but younger than Mark. Who is the youngest among the three?**

- a) Nina
- b) Peter
- c) Mark
- d) Cannot determine

**Question 22: A train travels 240 km in 3 hours. How long will it take to travel 400 km at the same speed?**

- a) 4.5 hours
- b) 5 hours
- c) 5.5 hours
- d) 6 hours

**Question 23: A box contains 3 red, 4 blue, and 5 green balls. Two balls are drawn one by one without replacement. What is the probability both are red?**

- a)  $\frac{1}{22}$
- b)  $\frac{1}{11}$
- c)  $\frac{3}{44}$
- d)  $\frac{3}{33}$

**Question 24: Five pencils cost \$20. How much do 8 pencils cost?**

- a) \$30
- b) \$32
- c) \$34
- d) \$36

**Question 25: The sum of three consecutive multiples of 7 is 84. What is the middle number?**

- a) 26
- b) 27
- c) 28
- d) 29

**Question 26: A train travels 120 km in 2 hours at a constant speed. How far will it travel in 3 hours at the same speed?**

- a) 160 km
- b) 170 km
- c) 180 km
- d) 200 km

**Question 27: The sum of a number and 10 is 25. What is the number?**

- a) 10
- b) 15
- c) 20
- d) 25

**Question 28: In a quiz, 2 points are given for each correct answer and 1 point is deducted for each wrong answer. If a student answers 10 questions, with 7 correct and 3 wrong, what is the total score?**

- a) 10
- b) 11
- c) 12
- d) 13

**Question 29:** In a class, there are twice as many books as magazines. If there are 48 publications total, how many are magazines?

- a) 12
- b) 16
- c) 24
- d) 32

**Question 30:** The average of 4 numbers is 10. Three of them are 8, 12, and 15. What is the fourth number?

- a) 2
- b) 5
- c) 7
- d) 10

**Question 31:** A recipe calls for 3 cups of flour to make 12 cookies. How many cups of flour are needed to make 20 cookies?

- a) 4 cups
- b) 5 cups
- c) 6 cups
- d) 7 cups

**Question 32:** If  $3x + 4 = 19$ , what is the value of  $x$ ?

- a) 3
- b) 4
- c) 5
- d) 6

**Question 33:** Choose the antonym of "obvious":

- a) Ambiguous
- b) Clear
- c) Certain
- d) Evident

**Question 34:** Which number does not belong: 121, 144, 169, 182, 196

- a) 121
- b) 144
- c) 182
- d) 196

**Question 35:** The ages of A and B are in the ratio 3:4. If A is 12 years old, what is the age of B?

- a) 14
- b) 15
- c) 16
- d) 18

**Question 36:** In a triangle, two angles are  $50^\circ$  and  $60^\circ$ . What is the third angle?

- a)  $60^\circ$
- b)  $70^\circ$
- c)  $80^\circ$
- d)  $90^\circ$

**Question 37:** If a cube has a volume of  $64 \text{ cm}^3$ , what is the length of one edge?

- a) 2 cm
- b) 4 cm
- c) 8 cm
- d) 16 cm

**Question 38:** A sum of \$720 is to be divided among 3 friends in the ratio 3:4:5. How much does the second friend get?

- a) \$180
- b) \$240
- c) \$270
- d) \$300

**Question 39:** In a class, 20 students take math, 15 take science, and 10 take both math and science. How many students take math only?

- a) 10
- b) 15
- c) 20
- d) 25

**Question 40:** Alice read 5 books, Bob read 3 books, Carol read 8 books, and Dave read 6 books. Who read the most books?

- a) Alice
- b) Bob
- c) Carol
- d) Dave

**Question 41:** The sales of a shop from Monday to Friday were: 30, 45, 25, 50, 20. On which day were sales the highest?

- a) Monday
- b) Wednesday
- c) Thursday
- d) Friday

**Question 42:** If a student scores 45 out of 60, what is their percentage score?

- a) 70%
- b) 75%
- c) 80%
- d) 85%

**Question 43:** The average of 5 numbers is 16. If one number is 20, what is the average of the remaining 4 numbers?

- a) 14
- b) 15
- c) 16
- d) 17

**Question 44:** A man bought 5 pens and 3 pencils for \$42. If a pen costs \$6, what is the cost of a pencil?

- a) \$2
- b) \$3
- c) \$4
- d) \$5

**Question 45:** Sarah has 3 times as many stickers as Tina. Together they have 40 stickers. How many does Sarah have?

- a) 10
- b) 15
- c) 30
- d) 40

**Question 46:** A solution is 30% acid. If you have 100 ml of solution, how many ml of acid are in it?

- a) 20 ml
- b) 30 ml
- c) 50 ml
- d) 70 ml

**Question 47:** The ratio of cats to dogs in a pet store is 4:5. If there are 36 animals in total, how many of them are dogs?

- a) 16
- b) 20
- c) 24
- d) 28

**Question 48:** Solve for x:  $x / 4 = 6$ .

- a) 12
- b) 18
- c) 24
- d) 36

**Question 49:** To prepare a 10-liter mixture, 2 parts water are mixed with 3 parts syrup. How many liters of syrup are needed?

- a) 4 liters
- b) 5 liters
- c) 6 liters
- d) 7 liters

**Question 50:** In a triangle, two angles are  $40^\circ$  and  $80^\circ$ . What is the third angle?

- a)  $50^\circ$
- b)  $60^\circ$
- c)  $70^\circ$
- d)  $80^\circ$

**Question 51:** The ratio of boys to girls in a class is 3:2. If there are 25 students in total, how many boys are there?

- a) 12
- b) 15
- c) 18
- d) 20

**Question 52:** A 20-meter long rope is cut into pieces of 5 meters each. How many pieces are obtained?

- a) 2
- b) 3
- c) 4
- d) 5

**Question 53:** A cake recipe requires  $\frac{2}{5}$  cup of sugar for one cake. How much sugar is needed for 5 cakes?

- a)  $\frac{2}{5}$  cup
- b) 1 cup
- c) 2 cups
- d) 3 cups

**Question 54:** A library has 120 books. One quarter of them are fiction, and half of the rest are science books. How many science books are there?

- a) 20
- b) 30
- c) 45
- d) 60

**Question 55:** There are 24 students in a class. If teams of 4 students are formed, how many teams can be made?

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

**Question 56:** The sum of two consecutive even numbers is 54. What is the smaller number?

- a) 24
- b) 26
- c) 28
- d) 30

**Question 57:** If one-third of a number minus 4 equals 8, what is the number?

- a) 30
- b) 33
- c) 36
- d) 40

**Question 58:** A car travels 150 km in 2.5 hours. What is its average speed in km per hour?

- a) 50
- b) 55
- c) 60
- d) 65

**Question 59: Which number does not belong in the set: 81, 64, 16, 72?**

- a) 81
- b) 64
- c) 16
- d) 72

**Question 60: A father is three times as old as his son. If their ages add up to 48 years, how old is the son?**

- a) 12
- b) 15
- c) 18
- d) 20

(NOT TO BE EVALUATED)

[illegible]