

Question 1: Ravi noticed that the numbers 2, 6, 12, 20, 30 are following a pattern. What should be the next number?

- a) 36
- b) 40
- c) 42
- d) 44

Question 2: A farmer has 3 fields. In the first, he grows 120 mango trees, in the second 150, and in the third 180. If each tree gives 10 mangoes, how many mangoes are collected from all three fields?

- a) 4,500
- b) 3,600
- c) 5,000
- d) 4,800

Question 3: A shop sells pencils in packs of 6, 9, and 12. A student wants exactly 18 pencils. Which pack combinations are possible?

- a) One pack of 18
- b) Two packs of 9
- c) One pack of 12 and one pack of 6
- d) Both b and c

Question 4: Find the odd one out:

- 7, 14, 21, 28, 35, 49
- a) 21
 - b) 28
 - c) 35
 - d) 49

Question 5: A train travels 60 km in 1 hour. How long will it take to travel 240 km?

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

Question 6: In a survey of 100 students, 40 like football, 35 like cricket, and 25 like badminton. If no student likes more than one game, how many students do not like any game?

- a) 0
- b) 10
- c) 20
- d) 5

Question 7: Ravi noticed that the numbers 3, 8, 15, 24, 35 are following a pattern. What should be the next number?

- a) 46
- b) 48
- c) 50
- d) 52

Question 8: A basket has apples, bananas, and oranges. If the ratio of apples to bananas to oranges is 3:2:1 and there are 18 apples, how many fruits are there in total?

- a) 24
- b) 30
- c) 36
- d) 42

Question 9: If in a certain code language, CAT = 24 and DOG = 26, then FISH = ?

- a) 36
- b) 42
- c) 40
- d) 38

Question 10: A clock shows 3:15. What is the angle between the hour hand and the minute hand?

- a) 7.5°
- b) 45°
- c) 30°
- d) 22.5°

Question 11: A shopkeeper bought 50 pencils at ₹2 each and sold them at ₹3 each. What was his total profit?

- a) ₹25
- b) ₹40
- c) ₹50
- d) ₹60

Question 12: Which of the following is the missing number?

5, 10, 20, 40, ?

- a) 45
- b) 60
- c) 70
- d) 80

Question 13: A library has 600 books. If $\frac{1}{3}$ are fiction, $\frac{1}{4}$ are science, and the rest are history, how many history books are there?

- a) 200
- b) 150
- c) 250
- d) 300

Question 14: If MONDAY is written as NOMDAY, how will FRIDAY be written?

- a) FIRDAY
- b) FIRDYA
- c) IRFDAY
- d) FRIDYA

Question 15: A cube has all its faces painted. It is then cut into 64 smaller cubes of equal size. How many of them will have exactly two faces painted?

- a) 24
- b) 12
- c) 8
- d) 16

Question 16: A car covers 90 km in 1.5 hours. What is its speed?

- a) 45 km/h
- b) 50 km/h
- c) 60 km/h
- d) 75 km/h

Question 17: Find the missing number:

8, 16, 32, 64, ?

- a) 120
- b) 128
- c) 100
- d) 96

Question 18: A family spends $\frac{1}{4}$ of its income on food, $\frac{1}{3}$ on rent, and the rest on other things. If the income is ₹12,000, how much is left for other things?

- a) ₹3,000
- b) ₹4,000
- c) ₹5,000
- d) ₹6,000

Question 19: Which of the following numbers is not a prime number?

- a) 19
- b) 23
- c) 29
- d) 39

Question 20: In a class of 40 students, 20 like Mathematics, 15 like Science, and 10 like both. How many like only Mathematics?

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

Question 21: If 3 pencils cost ₹15, how much will 12 pencils cost?

- a) ₹45
- b) ₹55
- c) ₹60
- d) ₹65

Question 22: A shop sold 120 toys in January, 150 in February, and 180 in March. What is the average number of toys sold per month?

- a) 130
- b) 140
- c) 150
- d) 160

Question 23: A sequence is given: 2, 4, 8, 16, 32, ?

- a) 64
- b) 60
- c) 48
- d) 50

Question 24: In a classroom survey, 12 students like red, 8 like blue, and 5 like both. How many students like only red?

- a) 7
- b) 8
- c) 10
- d) 12

Question 25: If 8 workers finish a job in 12 days, how many days will 4 workers take to finish the same job (assuming same speed)?

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

Question 26: Which of these completes the analogy?

HAND : PALM :: FOOT : ?

- a) Heel
- b) Leg
- c) Toe
- d) Knee

Question 27: A tank can be filled in 6 hours and emptied in 9 hours. If both pipes are opened, how long will it take to fill the tank?

- a) 10 hours
- b) 12 hours
- c) 18 hours
- d) 18/5 hours

Question 28: Find the missing term:

11, 22, 44, 88, ?

- a) 132
- b) 154
- c) 176
- d) 188

Question 29: A train leaves city A at 7:00 AM and reaches city B at 11:00 AM. If the distance between A and B is 240 km, what is the speed of the train?

- a) 50 km/h
- b) 60 km/h
- c) 65 km/h
- d) 70 km/h

Question 30: A farmer has 48 cows. He wants to arrange them in rows with equal cows in each row. Which of the following is not possible?

- a) 4 rows
- b) 6 rows
- c) 9 rows
- d) 12 rows

Question 31: What is the next number in the series?

1, 1, 2, 3, 5, 8, 13, ?

- a) 18
- b) 19
- c) 20
- d) 21

Question 32: A class has 30 students. If 40% are girls, how many boys are there?

- a) 10
- b) 12
- c) 18
- d) 20

Question 33: The average of 12, 15, and 21 is:

- a) 15
- b) 16
- c) 17
- d) 18

Question 34: A car travels 150 km in 3 hours. If the speed increases by 10 km/h, how much time will it take to cover 150 km?

- a) 2.5 h
- b) 2.6 h
- c) 2.8 h
- d) 3 h

Question 35: Find the odd one out:
Triangle, Square, Rectangle, Circle

- a) Square
- b) Rectangle
- c) Circle
- d) Triangle

Question 36: A school library has 200 storybooks and 300 subject books. What is the ratio of storybooks to subject books?

- a) 2:3
- b) 3:2
- c) 4:5
- d) 1:2

Question 37: If $9 \times 9 = 81$, $8 \times 8 = 64$, then $7 \times 7 = ?$

- a) 48
- b) 49
- c) 50
- d) 56

Question 38: The ages of 3 friends are 10, 12, and 14. What is their average age?

- a) 12
- b) 11
- c) 13
- d) 14

Question 39: A clock shows 6:00 PM. What is the angle between the hands?

- a) 90°
- b) 120°
- c) 150°
- d) 180°

Question 40: A packet of biscuits costs ₹15. How many packets can be bought with ₹180?

- a) 10
- b) 12
- c) 15
- d) 18

Question 41: Which number is missing?
3, 6, 12, 24, ?

- a) 36
- b) 40
- c) 46
- d) 48

Question 42: A basket has 40 apples. $\frac{1}{4}$ of them are bad. How many good apples are there?

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

Question 43: Which figure will come next in the series? ▲, □, ●, ▲, □, ?

- a) ▲
- b) □
- c) ●
- d) ◆

Question 44: A tap fills a tank in 12 minutes. Another tap empties it in 15 minutes. If both are opened together, how many minutes will it take to fill the tank?

- a) 40
- b) 50
- c) 60
- d) 36

Question 45: Which of the following numbers is divisible by both 3 and 5?

- a) 35
- b) 45
- c) 55
- d) 65

Question 46: A train leaves station A at 10 AM and reaches station B at 1 PM. The distance is 180 km. Find its average speed.

- a) 50 km/h
- b) 55 km/h
- c) 60 km/h
- d) 65 km/h

Question 47: Which is the missing number?
9, 18, 27, 36, ?

- a) 42
- b) 45
- c) 48
- d) 49

Question 48: A fruit seller bought 200 oranges. He sold 160. What percentage did he sell?

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

Question 49: What comes next in the pattern?

A, C, E, G, ?

- a) H
- b) I
- c) J
- d) K

Question 50: A school has 480 students. If $\frac{1}{6}$ are absent, how many are present?

- a) 380
- b) 390
- c) 400
- d) 420

(NOT TO BE EVALUATED)

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