

Quantitative & Numerical Ability MCQs – 40 Questions with Answers

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1. A sum becomes ₹14,400 in 2 years and ₹17,280 in 4 years at compound interest. Find the principal.

- A) ₹10,000
- B) ₹12,000
- C) ₹15,000
- D) ₹16,000

Answer: B) ₹12,000

2. The ratio of ages of A and B is 5:7. After 8 years, the ratio becomes 7:9. Find A's present age.

- A) 20 years
- B) 25 years
- C) 30 years
- D) 35 years

Answer: B) 25 years

3. A train 240 m long crosses a pole in 12 seconds. What is its speed?

- A) 60 km/h
- B) 72 km/h
- C) 80 km/h
- D) 90 km/h

Answer: B) 72 km/h

4. A man can complete a work in 24 days. Another man is 50% more efficient. In how many days can the second man complete the work?

- A) 12 days
- B) 14 days
- C) 16 days
- D) 18 days

Answer: C) 16 days

5. The average of 15 numbers is 36. If one number 48 is replaced by 78, what is the new average?

- A) 37
- B) 38
- C) 39
- D) 40

Answer: B) 38

6. A shopkeeper marks an article 40% above cost price and allows 10% discount. Profit percentage is:

- A) 20%
- B) 24%
- C) 26%
- D) 28%

Answer: C) 26%

7. If $x + \frac{1}{x} = 5$, then find $x^2 + \frac{1}{x^2}$.

- A) 21
- B) 23
- C) 25
- D) 27

Answer: B) 23

8. Find the simple interest on ₹8,000 at 12.5% p.a. for 3 years.

- A) ₹2,500
- B) ₹3,000
- C) ₹3,200
- D) ₹3,500

Answer: B) ₹3,000

9. A boat travels 36 km downstream in 3 hours and returns upstream in 4.5 hours. Find the speed of the stream.

- A) 2 km/h
- B) 3 km/h
- C) 4 km/h
- D) 5 km/h

Answer: A) 2 km/h

10. A cylinder has radius 7 cm and height 10 cm. Its volume is:

- A) 1540 cm³
- B) 1480 cm³
- C) 1500 cm³
- D) 1600 cm³

Answer: A) 1540 cm^3

11. Find the missing term:

3, 10, 29, 66, 127, ?

- A) 218
- B) 220
- C) 224
- D) 230

Answer: A) 218

12. The HCF and LCM of two numbers are 18 and 756. If one number is 126, find the other.

- A) 96
- B) 108
- C) 112
- D) 120

Answer: B) 108

13. If 12 men complete a work in 15 days, how many men are required to complete it in 9 days?

- A) 18
- B) 20
- C) 22
- D) 24

Answer: B) 20

14. The probability of getting a prime number on a die is:

- A) $\frac{1}{2}$
- B) $\frac{1}{3}$
- C) $\frac{2}{3}$
- D) $\frac{5}{6}$

Answer: A) $\frac{1}{2}$

15. If $A:B = 3:5$ and $B:C = 10:7$, then $A:B:C =$

- A) 6:10:7
- B) 3:10:7
- C) 6:14:7
- D) 3:5:7

Answer: A) 6:10:7

16. A sum doubles in 8 years at simple interest. Rate of interest is:

- A) 10%
- B) 12.5%
- C) 15%
- D) 20%

Answer: B) 12.5%

17. Find 35% of 840.

- A) 284
- B) 292
- C) 294
- D) 296

Answer: C) 294

18. The perimeter of a square is 72 cm. Area is:

- A) 324 cm^2
- B) 256 cm^2
- C) 289 cm^2
- D) 400 cm^2

Answer: A) 324 cm^2

19. A person sells an article for ₹960 at 20% loss. Cost price is:

- A) ₹1150
- B) ₹1180
- C) ₹1200
- D) ₹1250

Answer: C) ₹1200

20. Find the compound interest on ₹10,000 for 2 years at 10% p.a.

- A) ₹2000
- B) ₹2100
- C) ₹2200
- D) ₹2300

Answer: B) ₹2100

21. If 15% of $x = 90$, then $x =$

- A) 500
- B) 550
- C) 600
- D) 650

Answer: C) 600

22. Find the next term:

1, 4, 13, 40, 121, ?

- A) 364
- B) 365
- C) 366
- D) 367

Answer: A) 364

23. A train running at 54 km/h crosses a bridge of 300 m in 40 seconds. Length of train is:

- A) 250 m
- B) 300 m
- C) 350 m
- D) 400 m

Answer: B) 300 m

24. The average of first 20 natural numbers is:

- A) 10
- B) 10.5
- C) 11
- D) 11.5

Answer: B) 10.5

25. Find the value of $25^2 - 15^2$.

- A) 400
- B) 420
- C) 450
- D) 475

Answer: A) 400

26. A can do a work in 18 days and B in 36 days. Together they finish in:

- A) 10 days
- B) 12 days
- C) 14 days
- D) 16 days

Answer: B) 12 days

27. The ratio of CP and SP is 25:28. Profit percentage is:

- A) 10%
- B) 11%
- C) 12%
- D) 14%

Answer: C) 12%

28. If $\sin \theta = 3/5$, then $\cos \theta =$

- A) $4/5$
- B) $3/4$
- C) $5/4$
- D) $2/5$

Answer: A) $4/5$

**29. A bag contains 5 red, 4 blue and 3 green balls.
Probability of selecting a blue ball:**

- A) $\frac{1}{4}$
- B) $\frac{1}{3}$
- C) $\frac{4}{12}$
- D) Both B and C

Answer: D) Both B and C

30. Find the value of (17×23) .

- A) 381
- B) 391
- C) 401
- D) 411

Answer: B) 391

31. The difference between CI and SI on ₹5,000 for 2 years at 10% is:

- A) ₹40
- B) ₹45
- C) ₹50
- D) ₹55

Answer: C) ₹50

32. Find the next number:

2, 6, 12, 20, 30, ?

- A) 40
- B) 42

- C) 44
- D) 46

Answer: B) 42

33. If 8 men can do a work in 24 days, then 12 men can do it in:

- A) 14 days
- B) 16 days
- C) 18 days
- D) 20 days

Answer: B) 16 days

34. The area of a circle with radius 14 cm is:

- A) 616 cm²
- B) 620 cm²
- C) 624 cm²
- D) 628 cm²

Answer: A) 616 cm²

35. A number when increased by 20% becomes 360. The original number is:

- A) 280
- B) 290
- C) 300
- D) 320

Answer: C) 300

36. The sum of three consecutive even numbers is 78. The largest number is:

- A) 24
- B) 26
- C) 28
- D) 30

Answer: C) 28

37. A mixture contains milk and water in ratio 5:2. If 14 litres water is added, ratio becomes 5:4. Find original quantity of mixture.

- A) 42 litres
- B) 49 litres
- C) 56 litres
- D) 63 litres

Answer: B) 49 litres

38. Find the next term:

7, 14, 28, 56, ?

- A) 98
- B) 102
- C) 112
- D) 120

Answer: C) 112

39. If the selling price of 15 articles equals the cost price of 18 articles, loss percentage is:

- A) $16\frac{2}{3}\%$
- B) $18\frac{2}{3}\%$
- C) 20%
- D) 25%

Answer: A) $16\frac{2}{3}\%$

40. A clock gains 5 minutes every hour. How many minutes will it gain in 24 hours?

- A) 100
- B) 110
- C) 120
- D) 125

Answer: C) 120