

Quant Practice Questions

These are PYQ-style/template questions based on common CoCubes placement patterns.

Questions

Q1. Percentage

A number is increased by 25% and becomes 500. What is the original number?

- A. 375
- B. 400
- C. 425
- D. 450

Answer: B

Explanation: $1.25x = 500$, so $x = 400$.

Q2. Successive percentage

A price is increased by 20% and then decreased by 10%. What is the net change?

- A. 8% increase
- B. 10% increase
- C. 8% decrease
- D. 12% increase

Answer: A

Explanation: $20 - 10 - (20 \times 10)/100 = 8\% \text{ increase}$.

Q3. Profit and loss

A shopkeeper buys an item for ₹800 and sells it for ₹920. Find profit percentage.

- A. 10%
- B. 12%
- C. 15%
- D. 20%

Answer: C

Explanation: Profit = 120. Profit % = $120/800 \times 100 = 15\%$.

Q4. Discount

Marked price is ₹1000. Discount is 15%. Selling price?

- A. ₹750
- B. ₹800
- C. ₹850
- D. ₹900

Answer: C

Q5. Average

Average of 5 numbers is 24. If one number 20 is replaced by 35, new average?

- A. 25
- B. 26
- C. 27
- D. 28

Answer: C

Explanation: Sum increases by 15. Average increases by $15/5 = 3$. New average = 27.

Q6. Ratio

Two numbers are in ratio 4:7. Their sum is 88. Find the larger number.

- A. 44
- B. 48
- C. 56
- D. 60

Answer: C

Explanation: 11 parts = 88, one part = 8, larger = $7 \times 8 = 56$.

Q7. Time and work

A can complete work in 12 days and B in 18 days. Together they complete it in:

- A. 6.2 days
- B. 7.2 days
- C. 8 days
- D. 9 days

Answer: B

Explanation: LCM work = 36. A = 3/day, B = 2/day, together = 5/day. Time = $36/5 = 7.2$.

Q8. Pipes

A pipe fills a tank in 6 hours. Another empties it in 12 hours. If both are open, tank fills in:

- A. 4 hours
- B. 8 hours
- C. 10 hours
- D. 12 hours

Answer: D

Explanation: Net rate = $\frac{1}{6} - \frac{1}{12} = \frac{1}{12}$.

Q9. Speed

A train of length 200 m crosses a pole in 10 seconds. Speed in km/h?

- A. 54
- B. 60
- C. 72
- D. 90

Answer: C

Explanation: speed = 20 m/s = $\frac{20 \times 18}{5} = 72$ km/h .

Q10. Boats

Downstream speed is 18 km/h and upstream speed is 10 km/h. Speed of stream?

- A. 3 km/h
- B. 4 km/h
- C. 5 km/h
- D. 6 km/h

Answer: B

Explanation: $(18 - 10)/2 = 4$.

Q11. LCM/HCF

HCF of two numbers is 6 and LCM is 180. If one number is 30, the other is:

- A. 24
- B. 30
- C. 36
- D. 40

Answer: C

Explanation: Product = $6 \times 180 = 1080$. Other = $1080/30 = 36$.

Q12. Probability

A die is rolled once. Probability of getting an even number?

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

Answer: C

Q13. Mixture

Tea worth ₹60/kg is mixed with tea worth ₹80/kg in ratio 3:2. Average price?

- A. ₹64
- B. ₹68
- C. ₹70
- D. ₹72

Answer: B

Explanation: $(3 \times 60 + 2 \times 80) / 5 = 68$.

Q14. Simple interest

Find SI on ₹5000 at 10% per annum for 2 years.

- A. ₹500
- B. ₹800
- C. ₹1000
- D. ₹1200

Answer: C

Q15. Number system

Which of the following is divisible by 9?

- A. 12345
- B. 23454
- C. 56782
- D. 10001

Answer: B

Explanation: Sum of digits = $2+3+4+5+4 = 18$.

Practice target

Repeat this set until you can finish all 15 in 15 minutes with at least 13 correct.