

CMAT Logical Reasoning Questions with Answers

20 practice questions | Answer key and short explanations at the end | Made by CatMock

How to use this set: Set a timer for 40 minutes. CMAT gives 20 Logical Reasoning questions, +4 for each correct answer and -1 for each wrong one. Attempt every question, then check the key. Mark each miss by topic and redo it two days later.

Q1.

Statements: All pens are books. Some books are bags. No bag is a box.

Conclusions: I. Some books are not boxes. II. Some pens are bags.

- (a) Only I follows
- (b) Only II follows
- (c) Both follow
- (d) Neither follows

Q2.

Pointing to a girl, Arun says, "She is the daughter of my father's only son." How is the girl related to Arun?

- (a) Sister
- (b) Daughter
- (c) Niece
- (d) Cousin

Q3.

In a code, MANGO is written as NBOHP. How is APPLE written in that code?

- (a) BQQLF
- (b) BQPMF
- (c) CQQMF
- (d) BQQMF

Q4.

Riya walks 8 m north, turns right and walks 6 m, then turns right again and walks 8 m. How far and in which direction is she from her starting point?

- (a) 6 m west
- (b) 8 m north
- (c) 6 m east
- (d) 14 m east

Q5.

Five friends P, Q, R, S and T sit in a row facing north. T sits at the extreme right. P sits second from the left. S sits between P and R. Who sits in the middle?

- (a) P
- (b) Q
- (c) R
- (d) S

Q6.

Find the next number: 4, 6, 10, 18, 34, ?

- (a) 50
- (b) 58
- (c) 66
- (d) 64

Q7.

Statement: "Buy an annual pass and save 30% on every visit."

Assumptions: I. Some people visit the place often. II. People never like discounts.

- (a) Only I is implicit
- (b) Only II is implicit
- (c) Both are implicit
- (d) Neither is implicit

Q8.

Every employee who finished the training got a certificate. Mohan did not get a certificate. Which statement must be true?

- (a) Mohan did not finish the training
- (b) Mohan failed the training
- (c) Mohan left the company
- (d) Mohan skipped every class

Q9.

If 5 March is a Thursday, which day is 5 April of the same year?

- (a) Friday
- (b) Saturday
- (c) Sunday
- (d) Monday

Q10.

Anil, Bina, Chetan and Divya each like one drink: tea, coffee, juice or milk. Anil likes neither tea nor coffee. Bina likes coffee. Chetan does not like milk. Divya likes neither juice nor tea. Who likes tea?

- (a) Anil
- (b) Bina
- (c) Chetan
- (d) Divya

Q11.

Statements: All roses are flowers. All flowers are plants.

Conclusions: I. All roses are plants. II. Some plants are roses.

- (a) Only I follows
- (b) Only II follows
- (c) Both follow
- (d) Neither follows

Q12.

Statements: Some tables are chairs. Some chairs are lamps.

Conclusions: I. Some tables are lamps. II. Some lamps are chairs.

- (a) Only I follows
- (b) Only II follows
- (c) Both follow
- (d) Neither follows

Q13.

P is the mother of Q. Q is the sister of R. R is the father of S. How is P related to S?

- (a) Mother
- (b) Aunt
- (c) Grandmother
- (d) Sister

Q14.

In a code, 'sky is blue' is 'ka mo ri', 'blue sea' is 'ri na', and 'sea is deep' is 'na to mo'. What is the code for 'sky'?

- (a) mo
- (b) ri
- (c) na
- (d) ka

Q15.

A man faces north-east. He turns 90 degrees clockwise, then 135 degrees anticlockwise. Which direction does he face now?

- (a) East
- (b) South-west
- (c) North-west
- (d) North

Q16.

In a class of 40, Neha ranks 12th from the top. What is her rank from the bottom?

- (a) 27
- (b) 28
- (c) 29
- (d) 30

Q17.

Find the next letter: B, E, H, K, N, ?

- (a) P
- (b) Q
- (c) R
- (d) S

Q18.

A city plans to ban cars from its centre to cut air pollution. Which fact, if true, most weakens the plan?

- (a) Most of the city's pollution comes from factories outside the centre
- (b) Public transport in the city is cheap
- (c) Many residents enjoy walking
- (d) Air quality is checked every day

Q19.

What is the angle between the hour hand and the minute hand at 3:30?

- (a) 60 degrees
- (b) 75 degrees
- (c) 90 degrees
- (d) 105 degrees

Q20.

Find the odd one out: 27, 125, 144, 216

- (a) 27
- (b) 125
- (c) 144
- (d) 216

Answer Key with Explanations

Q1. Answer (a) Only I follows

The books that are bags cannot be boxes, so I follows. Nothing links pens to bags, so II does not.

Q2. Answer (b) Daughter

Arun's father's only son is Arun himself. So the girl is Arun's daughter.

Q3. Answer (d) BQQMF

Each letter moves one step forward: A-B, P-Q, P-Q, L-M, E-F gives BQQMF.

Q4. Answer (c) 6 m east

North 8, east 6, south 8. The north and south legs cancel, so she ends 6 m east of the start.

Q5. Answer (d) S

T is 5th and P is 2nd. S sits between P and R, so S is 3rd and R is 4th. Q takes the 1st seat. Order: Q P S R T.

Q6. Answer (c) 66

The gaps double: +2, +4, +8, +16. The next gap is +32, so $34 + 32 = 66$.

Q7. Answer (a) Only I is implicit

The offer only makes sense if some people visit often, so I is implicit. II contradicts the offer's own logic.

Q8. Answer (a) Mohan did not finish the training

Finishing the training leads to a certificate. No certificate means he did not finish. The other options add facts the passage never gives.

Q9. Answer (c) Sunday

March has 31 days, which is 4 weeks and 3 days. Thursday plus 3 days is Sunday.

Q10. Answer (c) Chetan

Bina has coffee. Divya cannot have juice, tea or coffee, so she has milk. Anil then has juice. Chetan gets tea.

Q11. Answer (c) Both follow

I follows by chaining the two statements. II follows because 'All roses are plants' implies some plants are roses.

Q12. Answer (b) Only II follows

Two 'some' statements give no certain link between tables and lamps, so I fails. II is the reverse of 'Some chairs are lamps', so it follows.

Q13. Answer (c) Grandmother

Q and R are P's children. R is S's father, so P is S's grandmother.

Q14. Answer (d) ka

'blue' is the common word in the first two, so blue = ri. 'is' is common to the first and third, so is = mo. 'sea' = na. That leaves sky = ka.

Q15. Answer (d) North

North-east is 45 degrees. Adding 90 gives 135 (south-east). Subtracting 135 gives 0, which is north.

Q16. Answer (c) 29

Rank from bottom = $40 - 12 + 1 = 29$.

Q17. Answer (b) Q

Each letter moves 3 steps forward. After N comes Q.

Q18. Answer (a) Most of the city's pollution comes from factories outside the centre

If most pollution comes from elsewhere, banning cars in the centre will barely help.

Q19. Answer (b) 75 degrees

The hour hand sits at $3 \times 30 + 15 = 105$ degrees. The minute hand sits at 180 degrees. The gap is 75 degrees.

Q20. Answer (c) 144

27, 125 and 216 are perfect cubes (3, 5, 6). 144 is not a cube.