

Free Logical Reasoning Test

10 questions with a worked solution for every one

This is a full-length practice test. Work through it under exam conditions if you can: give yourself 12 minutes and avoid checking the answers as you go. Every question is multiple choice with exactly one correct answer.

The worked solutions start after the last question. They show the method step by step and explain every wrong option, so a question you get wrong tells you something.

Questions	10
Suggested time limit	12 minutes
Format	Multiple choice, four options
Answers	Included, with full worked solutions

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Written by Guy Thornton. Updated 20 July 2026.

Questions

QUESTION 1 OF 10

In the sequence B, D, G, K, P, ... each step follows a fixed rule. Which letter comes next?

- A) U
 - B) V
 - C) T
 - D) W
-

QUESTION 2 OF 10

In a certain code, FISH is written as GJTI. Using the same rule, how is BIRD written?

- A) CJSE
 - B) AHQC
 - C) CJSD
 - D) DKTF
-

QUESTION 3 OF 10

Author is to book as composer is to which of the following?

- A) Orchestra
 - B) Instrument
 - C) Symphony
 - D) Concert
-

QUESTION 4 OF 10

Four of these five numbers share a property that the fifth does not: 12, 16, 20, 25, 28. Which is the odd one out?

- A) 16
 - B) 12
 - C) 28
 - D) 25
-

QUESTION 5 OF 10

A sequence begins 4, 9, 19, 39, 79, ... Each term follows the same fixed rule. What is the next term?

- A) 159
 - B) 158
 - C) 119
 - D) 99
-

QUESTION 6 OF 10

A parcel routing rule states that parcels heavier than 2 kg go by courier and lighter parcels go by post. Courier parcels are insured; postal parcels are not. A parcel weighs 3 kg. Which of these is certain?

- A) It goes by post.
 - B) It is not insured.
 - C) It is insured.
 - D) It could go either way.
-

QUESTION 7 OF 10

If, in a code, CAT is written as 3-1-20 by replacing each letter with its position in the alphabet, what is the code for DOG?

- A) 4-14-7
 - B) 4-15-7
 - C) 3-15-7
 - D) 4-15-8
-

QUESTION 8 OF 10

Four colleagues each speak a different number of languages: 1, 2, 3 and 4. Rhea speaks more than Sam. Sam speaks more than Uma. Uma speaks more than Tom. How many languages does Rhea speak?

- A) 3
 - B) 2
 - C) It cannot be determined.
 - D) 4
-

QUESTION 9 OF 10

Four of these five words go together by a simple rule and one does not: DELIVER, RECEIVE, DISPATCH, SEND, TRANSMIT. Which is the odd one out?

- A) RECEIVE
 - B) TRANSMIT
 - C) DELIVER
 - D) DISPATCH
-

QUESTION 10 OF 10

In a sequence, the letter pairs run AZ, BY, CX, DW, ... What is the next pair?

- A) EU
 - B) FV
 - C) EV
 - D) EW
-

Answers and worked solutions

Every wrong option is explained too, not just the correct answer.

Question 1

Correct answer: B) V

Using each letter's position (B=2, D=4, G=7, K=11, P=16), the gaps grow 2, 3, 4, 5, so the next gap is 6. Adding 6 to P's position of 16 gives 22, which is V. The letter U (21) keeps the gap at 5; T (20) keeps it at 4; W (23) jumps the gap to 7. Only a gap of 6 continues the pattern.

Question 2

Correct answer: A) CJSE

Each letter moves one place forward in the alphabet: F to G, I to J, S to T, H to I. Applying the same shift to BIRD gives C, J, S, E, so CJSE. AHQC moves each letter one place backward instead of forward. CJSD leaves the final D unshifted. DKTF moves every letter two places forward rather than one.

Question 3

Correct answer: C) Symphony

An author is the creator of a book, so by the same creator-to-creation relationship a composer is the creator of a musical work, and a symphony is the only created work among the options. An orchestra performs a work but does not compose it, confusing creator with performer. An instrument is a tool used to play music, not the work produced. A concert is the event where a work is performed, not the work itself.

Question 4

Correct answer: D) 25

The numbers 12, 16, 20 and 28 are all multiples of four; 25 is not (it is also the only odd number), so 25 is the odd one out. Singling out 16 as the only power of two still leaves it a multiple of four, the property the other three share. Singling out 12 or 28 picks them by size or by an unrelated factor, yet both remain multiples of four.

Question 5

Correct answer: A) 159

Each term is double the one before plus one: 4, then 9, 19, 39, 79, so the next is 79 times 2 plus 1, which is 159. Equivalently the gaps double (5, 10, 20, 40, then 80), giving 79 plus 80 = 159. The value 158 doubles 79 but forgets the plus one. The value 119 keeps the gap fixed at 40 (79 + 40). The value 99 uses the earlier gap of 20 (79 + 20).

Question 6

Correct answer: C) It is insured.

At 3 kg the parcel is heavier than 2 kg, so it goes by courier, and courier parcels are insured; therefore it is insured. Concluding it goes by post misreads the weight rule, since 3 kg is above the 2 kg threshold, not below it. Concluding it is not insured applies the postal branch, which does not apply here. Concluding it could go either way ignores that the two rules together fix the outcome exactly.

Question 7

Correct answer: B) 4-15-7

Replace each letter with its alphabet position: D is the 4th letter, O the 15th and G the 7th, giving 4-15-7. Writing 4-14-7 puts O at 14, one short of its true position. Writing 3-15-7 puts D at 3, which is C's value, not D's. Writing 4-15-8 puts G at 8, one past its true position of 7.

Question 8

Correct answer: D) 4

The clues chain into Rhea more than Sam more than Uma more than Tom. With the four distinct counts 1, 2, 3 and 4, that ordering forces Rhea 4, Sam 3, Uma 2 and Tom 1, so Rhea speaks four. The value 3 is Sam's count, one place down the chain; 2 is Uma's count. Concluding it cannot be determined overlooks that the chain, with distinct values, fixes every figure.

Question 9

Correct answer: A) RECEIVE

Deliver, dispatch, send and transmit all describe sending something outward; receive means to take something in, the opposite direction, so it is the odd one out. Transmit stands out only for its technical tone, but it still means to send. Deliver and dispatch are everyday words that, like the rest, also mean to send outward.

Question 10

Correct answer: C) EV

The first letters ascend A, B, C, D, so the next is E. The second letters descend Z, Y, X, W, so the next is V. The pair is therefore EV. EU overshoots the descending letter to U. FV overshoots the ascending letter to F. EW leaves the descending letter stuck at W instead of moving to V.

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