



EP.V72 Verbal Reasoning: Sequences Set 5

GL ASSESSMENT EP.V72 · Calculators not allowed · about 24 minutes

Total Marks

Name: _____ Date: ____ / ____ / ____

This is a 24-minute Verbal Reasoning depth practice on letter and number sequences (Set 5), styled on GL Assessment 11+ multiple-choice papers. It is a fifth, all-new set of sequence questions on this topic. There are 32 questions across four sections: Letter Sequences, Number Sequences, Alphabet-Linked Number Sequences and Mixed Letter and Number Sequences. Every question is worth 1 mark, for 32 marks in total. Difficulty increases through each section and across the pack as a whole, finishing with scholarship-level stretch questions. For each question, choose the ONE best answer from the options A to E. No calculator is allowed. Read every question carefully, since the exact rule changes from question to question, including whether the gap between terms is fixed or growing, whether the alphabet wraps around from Z back to A, and whether letters and numbers in Section 3 and Section 4 need converting or reading together.

Worked example. Worked example (Letter Sequences): Find the letter that continues the sequence: E, H, K, N, (?) A) O B) P C) Q D) R E) S **Answer: C) Q.** Converting each letter to its position in the alphabet gives E=5, H=8, K=11, N=14: each term is 3 more than the one before it. Continuing the same +3 step from N (14) gives $14+3=17$, which is the letter Q. Option A (O=15) is two positions too low, option B (P=16) is one too low, option D (R=18) is one too high and option E (S=19) is two too high. Apply this same careful, position-by-position approach throughout the pack, even as the sections move from single letter sequences to pure number sequences, to sequences that link a letter to its alphabet position, and finally to sequences that pair a letter with a number at the same time: always find the exact rule connecting the given terms before choosing an option, and remember that the alphabet can wrap around from Z back to A in the harder questions.

1 SECTION 1: LETTER SEQUENCES (6 minutes, 8 questions)

Study the letters given, work out the rule connecting them, then choose the option, A to E, that continues the sequence in the same way. A different rule may apply in each question, and the alphabet may wrap around from Z back to A.

Q1. Find the letter that continues the sequence:

C, F, I, L, (?)

- ☐ A) M
- ☐ B) O
- ☐ C) N
- ☐ D) P
- ☐ E) Q

(Total for Question 1 is 1 mark)

2 (LETTER SEQUENCES) Q2. Find the letter that continues the sequence:

Z, X, V, T, (?)

- ☐ A) P
- ☐ B) Q
- ☐ C) S
- ☐ D) R
- ☐ E) T

(Total for Question 2 is 1 mark)

3 (LETTER SEQUENCES) Q3. Find the letter that continues the sequence:

B, E, I, N, (?)

- ☐ A) T
- ☐ B) R
- ☐ C) S
- ☐ D) U
- ☐ E) V

(Total for Question 3 is 1 mark)

4 (LETTER SEQUENCES) Q4. Find the letter that continues the sequence:

Y, V, R, M, (?)

- ☐ A) E
- ☐ B) F
- ☐ C) G
- ☐ D) H
- ☐ E) I

(Total for Question 4 is 1 mark)

5 (LETTER SEQUENCES) Q5. Find the letter that continues the sequence:

H, J, M, Q, (?)

- ☐ A) T
- ☐ B) U
- ☐ C) W
- ☐ D) X
- ☐ E) V

(Total for Question 5 is 1 mark)

6 (LETTER SEQUENCES) Q6. Find the letter that continues the sequence:

W, U, R, N, (?)

- ☐ A) I
- ☐ B) G
- ☐ C) H
- ☐ D) J
- ☐ E) K

(Total for Question 6 is 1 mark)

7 (LETTER SEQUENCES) Q7. Find the letter that continues the sequence:

X, B, F, J, (?)

- ☐ A) L
- ☐ B) M
- ☐ C) N
- ☐ D) O
- ☐ E) P

(Total for Question 7 is 1 mark)

8 (LETTER SEQUENCES) Q8. Find the letter that continues the sequence:

T, W, A, F, (?)

- ☐ A) J
- ☐ B) K
- ☐ C) M
- ☐ D) N
- ☐ E) L

(Total for Question 8 is 1 mark)

9 SECTION 2: NUMBER SEQUENCES (6 minutes, 8 questions)

Study the numbers given, work out the rule connecting them, then choose the option, A to E, that continues the sequence in the same way. A different rule may apply in each question.

Q1. Find the number that continues the sequence:

5, 9, 13, 17, (?)

- ☐ A) 19
- ☐ B) 21
- ☐ C) 20
- ☐ D) 22
- ☐ E) 25

(Total for Question 9 is 1 mark)

10 (NUMBER SEQUENCES) Q2. Find the number that continues the sequence:

50, 44, 38, 32, (?)

- ☐ A) 24
- ☐ B) 25
- ☐ C) 27
- ☐ D) 26
- ☐ E) 20

(Total for Question 10 is 1 mark)

11 (NUMBER SEQUENCES) Q3. Find the number that continues the sequence:

3, 6, 12, 24, (?)

- ☐ A) 48
- ☐ B) 40
- ☐ C) 44
- ☐ D) 50
- ☐ E) 36

(Total for Question 11 is 1 mark)

12 (NUMBER SEQUENCES) Q4. Find the number that continues the sequence:

4, 7, 12, 19, (?)

- ☐ A) 26
- ☐ B) 27
- ☐ C) 28
- ☐ D) 30
- ☐ E) 25

(Total for Question 12 is 1 mark)

13 (NUMBER SEQUENCES) Q5. Find the number that continues the sequence:

90, 84, 77, 69, (?)

- ☐ A) 58
- ☐ B) 59
- ☐ C) 62
- ☐ D) 65
- ☐ E) 60

(Total for Question 13 is 1 mark)

14 (NUMBER SEQUENCES) Q6. Find the number that continues the sequence:

6, 12, 9, 18, (?)

- ☐ A) 21
- ☐ B) 15
- ☐ C) 12
- ☐ D) 24
- ☐ E) 9

(Total for Question 14 is 1 mark)

15 (NUMBER SEQUENCES) Q7. Find the number that continues the sequence:

2, 3, 5, 9, (?)

- ☐ A) 16
- ☐ B) 18
- ☐ C) 15
- ☐ D) 17
- ☐ E) 33

(Total for Question 15 is 1 mark)

16 (NUMBER SEQUENCES) Q8. Find the number that continues the sequence:

4, 7, 11, 18, (?)

- ☐ A) 29
- ☐ B) 26
- ☐ C) 25
- ☐ D) 31
- ☐ E) 22

(Total for Question 16 is 1 mark)

17 SECTION 3: ALPHABET-LINKED NUMBER SEQUENCES (6 minutes, 8 questions)

In this section, letters and numbers are linked using position in the alphabet (A=1, B=2, up to Z=26). Some questions give letters and ask for a position number; others give position numbers and ask for a letter. Read each question carefully to see which is being asked.

Q1. The letters below follow a pattern based on their positions in the alphabet (A=1, B=2, up to Z=26).

E, I, M, Q, (?)

What is the alphabet position (a number from 1 to 26) of the letter that continues the pattern?

- ☐ A) 19
- ☐ B) 20
- ☐ C) 21
- ☐ D) 22
- ☐ E) 23

(Total for Question 17 is 1 mark)

18 (ALPHABET-LINKED NUMBER SEQUENCES) Q2. The numbers below are the alphabet positions of a sequence of letters (A=1, B=2, up to Z=26).

25, 20, 15, 10, (?)

Which letter is at the position that continues this number sequence?

- ☐ A) E
- ☐ B) C
- ☐ C) D
- ☐ D) F
- ☐ E) G

(Total for Question 18 is 1 mark)

19 (ALPHABET-LINKED NUMBER SEQUENCES) Q3. The letters below follow a pattern based on their positions in the alphabet (A=1, B=2, up to Z=26).

D, F, I, M, (?)

What is the alphabet position (a number from 1 to 26) of the letter that continues the pattern?

- ☐ A) 16
- ☐ B) 17
- ☐ C) 19
- ☐ D) 20
- ☐ E) 18

(Total for Question 19 is 1 mark)

20 (ALPHABET-LINKED NUMBER SEQUENCES) Q4. The numbers below are the alphabet positions of a sequence of letters (A=1, B=2, up to Z=26).

26, 22, 17, 11, (?)

Which letter is at the position that continues this number sequence?

- ☐ A) B
- ☐ B) D
- ☐ C) C
- ☐ D) E
- ☐ E) F

(Total for Question 20 is 1 mark)

21 (ALPHABET-LINKED NUMBER SEQUENCES) Q5. The numbers below are the alphabet positions of a sequence of letters (A=1, B=2, up to Z=26).

1, 4, 9, 16, (?)

Which letter is at the position that continues this number sequence?

- ☐ A) W
- ☐ B) X
- ☐ C) Z
- ☐ D) Y
- ☐ E) A

(Total for Question 21 is 1 mark)

22 (ALPHABET-LINKED NUMBER SEQUENCES) Q6. The letters below follow a pattern based on their positions in the alphabet (A=1, B=2, up to Z=26).

X, S, O, L, (?)

What is the alphabet position (a number from 1 to 26) of the letter that continues the pattern?

- ☐ A) 10
- ☐ B) 8
- ☐ C) 9
- ☐ D) 11
- ☐ E) 12

(Total for Question 22 is 1 mark)

23 (ALPHABET-LINKED NUMBER SEQUENCES) Q7. The letters below follow a pattern based on their positions in the alphabet (A=1, B=2, up to Z=26).

D, X, Q, I, (?)

What is the alphabet position (a number from 1 to 26) of the letter that continues the pattern?

- ☐ A) 24
- ☐ B) 25
- ☐ C) 26
- ☐ D) 27
- ☐ E) 28

(Total for Question 23 is 1 mark)

24 (ALPHABET-LINKED NUMBER SEQUENCES) Q8. The numbers below are the alphabet positions of a sequence of letters (A=1, B=2, up to Z=26).

20, 25, 31, 38, (?)

Which letter is at the position that continues this number sequence?

- ☐ A) R
- ☐ B) S
- ☐ C) U
- ☐ D) V
- ☐ E) T

(Total for Question 24 is 1 mark)

25 SECTION 4: MIXED LETTER AND NUMBER SEQUENCES (6 minutes, 8 questions)

Each question below gives a sequence of paired terms, a letter written next to a number. The letters follow their own rule and the numbers follow a separate rule running alongside it. Work out both rules, then choose the option, A to E, that correctly continues both sequences together.

Q1. Each term below pairs a letter with a number. Work out the separate rule for the letters and the rule for the numbers, then choose the option that continues both.

A1, C4, E9, G16, (?)

- ☐ A) J25
- ☐ B) I25
- ☐ C) I26
- ☐ D) H25
- ☐ E) I24

(Total for Question 25 is 1 mark)

26 (MIXED LETTER AND NUMBER SEQUENCES) Q2. Each term below pairs a letter with a number. Work out the separate rule for the letters and the rule for the numbers, then choose the option that continues both.

B2, E7, H12, K17, (?)

- ☐ A) O22
- ☐ B) N23
- ☐ C) M22
- ☐ D) N22
- ☐ E) N21

(Total for Question 26 is 1 mark)

27 (MIXED LETTER AND NUMBER SEQUENCES) Q3. Each term below pairs a letter with a number. Work out the separate rule for the letters and the rule for the numbers, then choose the option that continues both.

A1, E3, I5, M7, (?)

- ☐ A) Q9
- ☐ B) R9
- ☐ C) Q10
- ☐ D) P9
- ☐ E) Q8

(Total for Question 27 is 1 mark)

- 28** (MIXED LETTER AND NUMBER SEQUENCES) Q4. Each term below pairs a letter with a number. Work out the separate rule for the letters and the rule for the numbers, then choose the option that continues both.

Z3, X6, V12, T24, (?)

- ☐ A) S48
- ☐ B) R49
- ☐ C) R48
- ☐ D) Q48
- ☐ E) R47

(Total for Question 28 is 1 mark)

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- 29** (MIXED LETTER AND NUMBER SEQUENCES) Q5. Each term below pairs a letter with a number. Work out the separate rule for the letters and the rule for the numbers, then choose the option that continues both.

B1, G3, L6, Q10, (?)

- ☐ A) W15
- ☐ B) V16
- ☐ C) U15
- ☐ D) V14
- ☐ E) V15

(Total for Question 29 is 1 mark)

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- 30** (MIXED LETTER AND NUMBER SEQUENCES) Q6. Each term below pairs a letter with a number. Work out the separate rule for the letters and the rule for the numbers, then choose the option that continues both.

X1, D4, J9, P16, (?)

- ☐ A) W25
- ☐ B) V25
- ☐ C) V26
- ☐ D) U25
- ☐ E) V24

(Total for Question 30 is 1 mark)

- 31** (MIXED LETTER AND NUMBER SEQUENCES) Q7. Each term below pairs a letter with a number. Work out the separate rule for the letters and the rule for the numbers, then choose the option that continues both.

D2, A3, X5, U8, (?)

- ☐ A) S13
- ☐ B) R14
- ☐ C) Q13
- ☐ D) R13
- ☐ E) R12

(Total for Question 31 is 1 mark)

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- 32** (MIXED LETTER AND NUMBER SEQUENCES) Q8. Each term below pairs a letter with a number. Work out the separate rule for the letters and the rule for the numbers, then choose the option that continues both.

W2, D3, K5, R9, (?)

- ☐ A) Y17
- ☐ B) Z17
- ☐ C) Y18
- ☐ D) X17
- ☐ E) Y16

(Total for Question 32 is 1 mark)

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Question 1

- **B1 B) O** - applying the rule (each letter moves 3 places later in the alphabet) to C, F, I, L gives O; cao
- **Answer: B) O**

Question 2

- **B1 D) R** - applying the rule (each letter moves 2 places earlier in the alphabet) to Z, X, V, T gives R; cao
- **Answer: D) R**

Question 3

- **B1 A) T** - applying the rule (the gap widens by one place each time: +3, then +4, then +5, then +6) to B, E, I, N gives T; cao
- **Answer: A) T**

Question 4

- **B1 C) G** - applying the rule (the gap widens by one place each time: -3, then -4, then -5, then -6) to Y, V, R, M gives G; cao
- **Answer: C) G**

Question 5

- **B1 E) V** - applying the rule (the gap widens by one place each time: +2, then +3, then +4, then +5) to H, J, M, Q gives V; cao
- **Answer: E) V**

Question 6

- **B1 A) I** - applying the rule (the gap widens by one place each time: -2, then -3, then -4, then -5) to W, U, R, N gives I; cao
- **Answer: A) I**

Question 7

- **B1 C) N** - applying the rule (each letter moves 4 places later in the alphabet, wrapping back to A after Z) to X, B, F, J gives N; cao
- **Answer: C) N**

Question 8

- **B1 E) L** - applying the rule (the gap widens by one place each time (+3, then +4, then +5, then +6) and wraps back to A after Z) to T, W, A, F gives L; cao
- **Answer: E) L**

Question 9

- **B1 B) 21** - applying the rule (add 4 each time) to 5, 9, 13, 17 gives 21; cao
- **Answer: B) 21**

Question 10

- **B1 D) 26** - applying the rule (subtract 6 each time) to 50, 44, 38, 32 gives 26; cao
- **Answer: D) 26**

Question 11

- **B1 A) 48** - applying the rule (multiply by 2 each time) to 3, 6, 12, 24 gives 48; cao
- **Answer: A) 48**

Question 12

- **B1 C) 28** - applying the rule (the amount added grows by 2 each time (+3, +5, +7, then +9)) to 4, 7, 12, 19 gives 28; cao
- **Answer: C) 28**

Question 13

- **B1 E) 60** - applying the rule (the amount subtracted grows by 1 each time (-6, -7, -8, then -9)) to 90, 84, 77, 69 gives 60; cao
- **Answer: E) 60**

Question 14

- **B1 B) 15** - applying the rule (the operations alternate: multiply by 2, then subtract 3, then multiply by 2, then subtract 3) to 6, 12, 9, 18 gives 15; cao
- **Answer: B) 15**

Question 15

- **B1 D) 17** - applying the rule (each term is found by doubling the term before it and then subtracting 1) to 2, 3, 5, 9 gives 17; cao
- **Answer: D) 17**

Question 16

- **B1 A) 29** - applying the rule (each term is the sum of the two terms before it) to 4, 7, 11, 18 gives 29; cao
- **Answer: A) 29**

Question 17

- **B1 C) 21** - applying the rule (each letter moves 4 places later in the alphabet) to E, I, M, Q gives a next alphabet position of 21; cao
- **Answer: C) 21**

Question 18

- **B1 A) E** - applying the rule (subtract 5 each time) to 25, 20, 15, 10 gives a next position of 5, which is the letter E; cao
- **Answer: A) E**

Question 19

- **B1 E) 18** - applying the rule (the gap widens by one place each time: +2, then +3, then +4, then +5) to D, F, I, M gives a next alphabet position of 18; cao
- **Answer: E) 18**

Question 20

- **B1 B) D** - applying the rule (the amount subtracted grows by one each time: -4, then -5, then -6, then -7) to 26, 22, 17, 11 gives a next position of 4, which is the letter D; cao
- **Answer: B) D**

Question 21

- **B1 D) Y** - applying the rule (the numbers are the square numbers in order (1x1, 2x2, 3x3, 4x4, 5x5)) to 1, 4, 9, 16 gives a next position of 25, which is the letter Y; cao
- **Answer: D) Y**

Question 22

- **B1 A) 10** - applying the rule (the amount subtracted shrinks by one each time: -5, then -4, then -3, then -2) to X, S, O, L gives a next alphabet position of 10; cao
- **Answer: A) 10**

Question 23

- **B1 C) 26** - applying the rule (the amount subtracted grows by one each time (-6, then -7, then -8, then -9), wrapping back to Z after A) to D, X, Q, I gives a next alphabet position of 26; cao
- **Answer: C) 26**

Question 24

- **B1 E) T** - applying the rule (the amount added grows by one each time (+5, then +6, then +7, then +8); once past 26 the count wraps back round to A) to 20, 25, 31, 38 gives a next position of 20, which is the letter T; cao
- **Answer: E) T**

Question 25

- **B1 B) I25** - the letters follow the rule "the letters skip one place each time (a gap of 2)", giving I; the numbers follow the rule "the numbers are the square numbers in order (1x1, 2x2, 3x3, 4x4, 5x5)", giving 25; together this is I25; cao

Question 26

- **B1 D) N22** - the letters follow the rule "the letters skip two places each time (a gap of 3)", giving N; the numbers follow the rule "add 5 each time", giving 22; together this is N22; cao
- **Answer: D) N22**

Question 27

- **B1 A) Q9** - the letters follow the rule "the letters skip three places each time (a gap of 4)", giving Q; the numbers follow the rule "the numbers are the odd numbers in order", giving 9; together this is Q9; cao
- **Answer: A) Q9**

Question 28

- **B1 C) R48** - the letters follow the rule "the letters move back 2 places each time", giving R; the numbers follow the rule "double the number each time", giving 48; together this is R48; cao
- **Answer: C) R48**

Question 29

- **B1 E) V15** - the letters follow the rule "the letters skip four places each time (a gap of 5)", giving V; the numbers follow the rule "the amount added grows by one each time: +2, then +3, then +4, then +5", giving 15; together this is V15; cao
- **Answer: E) V15**

Question 30

- **B1 B) V25** - the letters follow the rule "the letters move on 6 places each time, wrapping back to A after Z", giving V; the numbers follow the rule "the numbers are the square numbers in order", giving 25; together this is V25; cao
- **Answer: B) V25**

Question 31

- **B1 D) R13** - the letters follow the rule "the letters move back 3 places each time, wrapping back to Z after A", giving R; the numbers follow the rule "each number is the sum of the two numbers before it", giving 13; together this is R13; cao
- **Answer: D) R13**

Question 32

- **B1 A) Y17** - the letters follow the rule "the letters move on 7 places each time, wrapping back to A after Z", giving Y; the numbers follow the rule "each number is found by doubling the number before it and then subtracting 1", giving 17; together this is Y17; cao
- **Answer: A) Y17**