3.48-4 Verbal Reasoning: Sequences Set 4: 10-minute Pack

Total Marks

GL ASSESSMENT GL-style-VR · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Each question in this set shows a sequence of letters, a series of numbers, an alphabet position puzzle, or a mixed letter-and-number code, and each follows its own hidden rule. Work out the rule connecting the terms you are given (a fixed step, a growing or shrinking gap, a multiplying or dividing rule, an alternating pattern, or a rule linking a letter to its position number), then choose the option, A to E, that continues the pattern correctly. This is the fourth set in the series and includes some sequences where the alphabet wraps around from Z back to A. Every question is worth 1 mark.

Worked example. Find the letter that continues the sequence: W, Z, C, F, (?) A) H B) I C) G D) J E) K **Answer: B) I.** Each letter's position increases by 3, wrapping back to A after Z: W=23, Z=26, then 26+3=29, and since the alphabet only has 26 letters, 29-26=3, which is C. Continuing, C+3=6=F, and F+3=9=I. Option A (H=8) is one position too low; option C (G=7) is two too low; option D (J=10) is one too high; option E (K=11) is two too high.

1 Find the letter that continues the sequence: G, I, K, M, (?)

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

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2 Find the next number in this series: 625, 125, 25, 5, (?)

- ☐ A) 1
- ☐ B) 2
- ☐ C) 0
- ☐ D) 3
- ☐ E) 5

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3 Find the missing letter in this sequence: F, J, (?), R, V

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

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4 Find the missing number in this sequence: 12, 24, (?), 96, 192

- ☐ A) 72
- ☐ B) 36
- ☐ C) 44
- ☐ D) 60
- ☐ E) 48

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5 Which letter is 8 positions after the letter B in the alphabet?

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

---

6 Which letter is 6 positions before the letter Y in the alphabet?

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

---

7 Find the term that continues this code sequence: B3, E6, H9, K12, (?)

- ☐ A) N15
- ☐ B) M15
- ☐ C) N12
- ☐ D) N18
- ☐ E) K15

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8 Find the term that continues this code sequence: 1E, 6H, 11K, 16N, (?)

- ☐ A) 21Q
- ☐ B) 20Q
- ☐ C) 21N
- ☐ D) 21T
- ☐ E) 18Q

---

9 Find the next number in this series: 5, 7, 10, 14, (?)

- ☐ A) 17
- ☐ B) 21
- ☐ C) 18
- ☐ D) 20
- ☐ E) 19

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10 Find the next number in this series: 80, 76, 70, 62, (?)

- ☐ A) 50
- ☐ B) 52
- ☐ C) 56
- ☐ D) 54
- ☐ E) 48

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11 Find the letter that continues the sequence: A, C, F, J, O, (?)

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

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12 Find the letter that continues the sequence: R, P, N, L, (?)

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

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13 Which letter lies exactly halfway between E and S in the alphabet, based on their position numbers?

- ☐ A) K
- ☐ B) M
- ☐ C) L
- ☐ D) X
- ☐ E) I

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Mark scheme · 3.48-4 Verbal Reasoning: Sequences Set 4: 10-minute Pack

Question 1

E) O - the letters move up the alphabet in steps of two (G, I, K, M, O); cao **B1**

Answer: E) O

Question 2

A) 1 - each term is divided by 5 (625, 125, 25, 5, 1); cao **B1**

Answer: A) 1

Question 3

D) N - the letters move up the alphabet in steps of four (F, J, N, R, V); cao **B1**

Answer: D) N

Question 4

E) 48 - each term doubles the one before it (12, 24, 48, 96, 192); cao **B1**

Answer: E) 48

Question 5

C) J - B is position 2, and 2+8=10, which is the letter J; cao **B1**

Answer: C) J

Question 6

D) S - Y is position 25, and 25-6=19, which is the letter S; cao **B1**

Answer: D) S

Question 7

A) N15 - the letters move on three places each time (B, E, H, K, N) and the numbers increase by three each time (3, 6, 9, 12, 15); cao **B1**

Answer: A) N15

Question 8

A) 21Q - the numbers increase by five each time (1, 6, 11, 16, 21) and the letters move on three places each time (E, H, K, N, Q); cao **B1**

Answer: A) 21Q

Question 9

E) 19 - the gaps grow by one each time (+2, +3, +4), so the next gap is +5; cao **B1**

Answer: E) 19

Question 10

B) 52 - the gaps grow by two each time (-4, -6, -8), so the next gap is -10; cao **B1**

Answer: B) 52

Question 11

C) U - the gaps grow by one each time (+2, +3, +4, +5), so the next gap is +6; cao **B1**

Answer: C) U

Question 12

B) J - the letters move back through the alphabet in steps of two (R, P, N, L, J); cao **B1**

Answer: B) J

Question 13

C) L - the average of E's position (5) and S's position (19) is 12, which is the letter L; cao **B1**

Answer: C) L

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