3.41-2 Verbal Reasoning: Letter and Number Sequences Set 2: 10-minute Pack

GL ASSESSMENT GL-style-VR · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Each question in this set shows either 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 gap, a doubling rule, or a rule linking a letter to its position number), then choose the option, A to E, that continues the pattern correctly. Every question is worth 1 mark.

Worked example. Find the letter that continues the sequence: D, G, J, M, (?) A) N B) O C) P D) Q E) R **Answer: C) P.** Each letter's position increases by 3: D=4, G=7, J=10, M=13. Adding 3 more gives 16, which is P. Option A (N=14) adds only 1; option B (O=15) adds 2; option D (Q=17) adds 4; option E (R=18) adds 5, all missing the true step of 3.

1 Find the letter that continues the sequence: B, D, F, H, (?)

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

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2 Find the next number in this series: 3, 6, 9, 12, (?)

- ☐ A) 14
- ☐ B) 16
- ☐ C) 18
- ☐ D) 13
- ☐ E) 15

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3 Find the next number in this series: 2, 4, 8, 16, (?)

- [ ] A) 32
- [ ] B) 24
- [ ] C) 20
- [ ] D) 18
- [ ] E) 30

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4 Find the next number in this series: 20, 17, 14, 11, (?)

- [ ] A) 9
- [ ] B) 8
- [ ] C) 7
- [ ] D) 10
- [ ] E) 6

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5 Find the next number in this series: 1, 4, 9, 16, (?)

- [ ] A) 20
- [ ] B) 21
- [ ] C) 25
- [ ] D) 24
- [ ] E) 36

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6 Find the next number in this series: 5, 10, 20, 40, (?)

- [ ] A) 60
- [ ] B) 70
- [ ] C) 45
- [ ] D) 80
- [ ] E) 50

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7 Find the next number in this series: 1, 1, 2, 3, 5, 8, (?)

- [ ] A) 11
- [ ] B) 12
- [ ] C) 10
- [ ] D) 14
- [ ] E) 13

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8 Find the next number in this series: 2, 3, 5, 7, 11, (?)

- [ ] A) 13
- [ ] B) 12
- [ ] C) 9
- [ ] D) 15
- [ ] E) 14

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9 Find the next number in this series: 100, 90, 81, 73, (?)

- [ ] A) 65
- [ ] B) 66
- [ ] C) 64
- [ ] D) 67
- [ ] E) 70

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10 Find the next number in this series: 1, 2, 4, 7, 11, (?)

- [ ] A) 15
- [ ] B) 17
- [ ] C) 16
- [ ] D) 14
- [ ] E) 18

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11 Find the next number in this series: 3, 6, 11, 18, 27, (?)

- [ ] A) 36
- [ ] B) 35
- [ ] C) 39
- [ ] D) 38
- [ ] E) 40

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12 Find the letter that continues the sequence: A, C, E, G, (?)

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

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13 If A=1, B=2, C=3, and so on through the alphabet, which letter has the position number 20?

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

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Mark scheme · 3.41-2 Verbal Reasoning: Letter and Number Sequences Set 2: 10-minute Pack

Question 1

A) J - the letters move up the alphabet in steps of two (B, D, F, H, J); cao **B1**

Answer: A) J

Question 2

E) 15 - each term increases by 3 (3, 6, 9, 12, 15); cao **B1**

Answer: E) 15

Question 3

A) 32 - each term doubles the one before it (2, 4, 8, 16, 32); cao **B1**

Answer: A) 32

Question 4

B) 8 - each term decreases by 3 (20, 17, 14, 11, 8); cao **B1**

Answer: B) 8

Question 5

C) 25 - the terms are the square numbers 1x1, 2x2, 3x3, 4x4, 5x5; cao **B1**

Answer: C) 25

Question 6

D) 80 - each term doubles the one before it (5, 10, 20, 40, 80); cao **B1**

Answer: D) 80

Question 7

E) 13 - each term is the sum of the two terms before it (Fibonacci rule): 5+8=13; cao **B1**

Answer: E) 13

Question 8

A) 13 - the terms are the prime numbers in order, and the next prime after 11 is 13; cao **B1**

Answer: A) 13

Question 9

B) 66 - the gaps shrink by one each time (-10, -9, -8), so the next gap is -7; cao **B1**

Answer: B) 66

Question 10

C) 16 - the gaps grow by one each time (+1, +2, +3, +4), so the next gap is +5; cao **B1**

Answer: C) 16

Question 11

D) 38 - the gaps grow by two each time (+3, +5, +7, +9), so the next gap is +11; cao **B1**

Answer: D) 38

Question 12

B) I - the letters move up the alphabet in steps of two (A, C, E, G, I); cao **B1**

Answer: B) I

Question 13

E) T - position 20 in the alphabet is the letter T; cao **B1**

Answer: E) T

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