3.19-2 Letters for Numbers: Practice Set 2: 10-minute Pack

GL ASSESSMENT GL VR type 19 · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Each question uses a code in which letters stand for numbers, for example L=6, M=11, N=3, P=8, Q=14. Use these values to work out the calculation given, then select the option, A) to E), whose letter matches your result. When a calculation involves more than one operation, apply the order of operations: work out any brackets first, then multiplication and division, then addition and subtraction. Each question has only one correct answer.

Worked example. L=6, M=11, N=3, P=8, Q=14. Work out M - N + L. Which letter has this value? **Answer: Q.** Working left to right (only addition and subtraction are involved, so the order does not change the result): M - N + L = 11 - 3 + 6 = 14. Since Q = 14, the letter Q has this value, so Q is correct.

1 L=3, M=4, N=7, P=11, Q=18. Work out L + M. Which letter has this value?

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

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2 L=5, M=18, N=6, P=8, Q=3. Work out L + (M / N). Which letter has this value?

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

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3 L=4, M=9, N=2, P=22, Q=54. Work out L + N x M. Which letter has this value?

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

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4 L=3, M=4, N=30, P=18, Q=108. Work out N - L x M. Which letter has this value?

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

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5 L=8, M=12, N=4, P=14, Q=5. Work out M + (L / N). Which letter has this value?

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

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6 L=11, M=18, N=7, P=36, Q=29. Work out L + M + N. Which letter has this value?

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

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7 L=60, M=22, N=9, P=29, Q=47. Work out L - M - N. Which letter has this value?

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

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8 L=3, M=4, N=5, P=60, Q=17. Work out L x M x N. Which letter has this value?

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

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9 L=8, M=5, N=6, P=78, Q=38. Work out (L + M) x N. Which letter has this value?

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

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10 L=90, M=3, N=25, P=5, Q=75. Work out L / M - N. Which letter has this value?

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

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11 L=8, M=5, N=9, P=53, Q=117. Work out L + M x N. Which letter has this value?

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

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12 L=6, M=8, N=14, P=22, Q=36. Work out L + M. Which letter has this value?

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

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13 L=24, M=6, N=48, P=44, Q=4. Work out N - (L / M). Which letter has this value?

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

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Mark scheme · 3.19-2 Letters for Numbers: Practice Set 2: 10-minute Pack

Question 1

D) N - L + M = 3 + 4 = 7, and N = 7 (cao) **B1**

Answer: D) N

Question 2

E) P - divide first: L + (M / N) = 5 + (18 / 6) = 5 + 3 = 8, and P = 8 (cao) **B1**

Answer: E) P

Question 3

E) P - by BODMAS, multiply first: L + (N x M) = 4 + (2 x 9) = 4 + 18 = 22, and P = 22 (cao) **B1**

Answer: E) P

Question 4

D) P - by BODMAS, multiply first: N - (L x M) = 30 - (3 x 4) = 30 - 12 = 18, and P = 18 (cao) **B1**

Answer: D) P

Question 5

A) P - divide first: M + (L / N) = 12 + (8 / 4) = 12 + 2 = 14, and P = 14 (cao) **B1**

Answer: A) P

Question 6

C) P - L + M + N = 11 + 18 + 7 = 36, and P = 36 (cao) **B1**

Answer: C) P

Question 7

B) P - working left to right: L - M - N = 60 - 22 - 9 = 29, and P = 29 (cao) **B1**

Answer: B) P

Question 8

E) P - L x M x N = 3 x 4 x 5 = 60, and P = 60 (cao) **B1**

Answer: E) P

Question 9

A) P - brackets first: (L + M) x N = (8 + 5) x 6 = 13 x 6 = 78, and P = 78 (cao) **B1**

Answer: A) P

Question 10

D) P - divide first: L / M - N = (90 / 3) - 25 = 30 - 25 = 5, and P = 5 (cao) **B1**

Answer: D) P

Question 11

C) P - by BODMAS, multiply first: L + (M x N) = 8 + (5 x 9) = 8 + 45 = 53, and P = 53 (cao) **B1**

Answer: C) P

Question 12

E) N - L + M = 6 + 8 = 14, and N = 14 (cao) **B1**

Answer: E) N

Question 13

B) P - divide first: N - (L / M) = 48 - (24 / 6) = 48 - 4 = 44, and P = 44 (cao) **B1**

Answer: B) P

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