3.19 Letters for Numbers: 2-hour Pack

GL ASSESSMENT GL-VR-11PLUS · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Each question gives a code in which letters stand for numbers, for example F=1, G=2, H=3, J=5, K=8. Work out the value of the calculation shown using these numbers, then choose the letter, A) to E), whose value matches your answer. Where a calculation has more than one step, use the order of operations: brackets first, then multiplication and division, then addition and subtraction. There is only one correct answer for each question.

Worked example. P=4, Q=7, R=2, S=9, T=5. Work out Q - R + P. Which letter has this value? **Answer: S.** Working left to right (only addition and subtraction are involved, so order does not change the result): Q - R + P = 7 - 2 + 4 = 9. Since S = 9, the letter S has this value, so S is correct.

1 C=1, L=21, R=8, V=15, X=4.
Work out R x C. Which letter has this value?

- ☐ A) L
- ☐ B) X
- ☐ C) R
- ☐ D) C
- ☐ E) V

---

2 D=17, J=5, N=23, R=2, W=12.
Work out (N + R) / J. Which letter has this value?

- ☐ A) R
- ☐ B) W
- ☐ C) J
- ☐ D) N
- ☐ E) D

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3 F=11, M=10, N=4, T=16, Z=9.
Work out (N + T) - F. Which letter has this value?

- ☐ A) M
- ☐ B) N
- ☐ C) F
- ☐ D) T
- ☐ E) Z

---

4 F=100, G=5, H=4, J=3, K=68. Work out (F / G + H) x J - H. Which letter has this value?

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

---

5 C=15, D=4, K=20, P=1, Z=23.
Work out (D + K) - P. Which letter has this value?

- ☐ A) D
- ☐ B) C
- ☐ C) Z
- ☐ D) P
- ☐ E) K

---

6 B=18, C=3, L=2, N=10, W=9.
Work out (B + L) / N. Which letter has this value?

- ☐ A) C
- ☐ B) N
- ☐ C) B
- ☐ D) W
- ☐ E) L

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7 C=10, J=1, L=15, S=18, Z=9.
Work out S x J - Z. Which letter has this value?

- ☐ A) S
- ☐ B) Z
- ☐ C) C
- ☐ D) J
- ☐ E) L

---

8 D=12, H=21, J=1, S=16, V=5.
Work out S x J. Which letter has this value?

- ☐ A) S
- ☐ B) H
- ☐ C) D
- ☐ D) J
- ☐ E) V

---

9 D=7, G=2, H=3, L=4, P=18.
Work out (G + D) / H. Which letter has this value?

- ☐ A) H
- ☐ B) G
- ☐ C) D
- ☐ D) P
- ☐ E) L

---

10 B=7, G=15, M=23, R=20, S=16.
Work out (M + B) - G. Which letter has this value?

- ☐ A) M
- ☐ B) S
- ☐ C) R
- ☐ D) B
- ☐ E) G

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11 B=21, F=19, S=23, T=6, Z=1.
Work out F x Z. Which letter has this value?

- [ ] A) S
- [ ] B) F
- [ ] C) B
- [ ] D) Z
- [ ] E) T

---

12 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out H x D - O. Which letter has this value?

- [ ] A) J
- [ ] B) P
- [ ] C) Q
- [ ] D) S
- [ ] E) R

---

13 B=2, D=16, J=10, L=19, V=4.
Work out J x B - D. Which letter has this value?

- [ ] A) B
- [ ] B) J
- [ ] C) V
- [ ] D) D
- [ ] E) L

---

14 C=18, F=1, H=20, Q=6, T=4.
Work out Q x T - H. Which letter has this value?

- [ ] A) F
- [ ] B) H
- [ ] C) Q
- [ ] D) T
- [ ] E) C

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15 G=1, K=6, M=12, N=15, Z=23.
Work out (Z + G) - M. Which letter has this value?

- ☐ A) G
- ☐ B) N
- ☐ C) Z
- ☐ D) K
- ☐ E) M

---

16 D=5, F=16, G=3, H=18, Q=9.
Work out (F + Q) / D. Which letter has this value?

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

---

17 J=18, K=17, L=1, P=20, R=24.
Work out P x L. Which letter has this value?

- ☐ A) R
- ☐ B) J
- ☐ C) K
- ☐ D) P
- ☐ E) L

---

18 M=5, Q=11, R=7, S=16, Z=4.
Work out Q + M. Which letter has this value?

- ☐ A) Q
- ☐ B) R
- ☐ C) S
- ☐ D) M
- ☐ E) Z

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19 D=6, N=4, Q=11, S=13, T=9.
Work out (D + T) - N. Which letter has this value?

- ☐ A) S
- ☐ B) T
- ☐ C) N
- ☐ D) D
- ☐ E) Q

---

20 C=10, J=6, M=5, Q=16, Z=18.
Work out M x (Z - Q). Which letter has this value?

- ☐ A) Z
- ☐ B) J
- ☐ C) C
- ☐ D) M
- ☐ E) Q

---

21 B=24, H=9, M=15, P=1, X=18.
Work out P x B - H. Which letter has this value?

- ☐ A) X
- ☐ B) H
- ☐ C) B
- ☐ D) M
- ☐ E) P

---

22 D=10, K=15, N=16, P=9, Q=5.
Work out Q + D. Which letter has this value?

- ☐ A) N
- ☐ B) K
- ☐ C) D
- ☐ D) Q
- ☐ E) P

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23 B=5, C=23, F=12, L=11, P=13.
Work out F + L. Which letter has this value?

- [ ] A) B
- [ ] B) C
- [ ] C) P
- [ ] D) F
- [ ] E) L

---

24 J=21, L=23, M=12, N=6, X=15.
Work out (N + J) - M. Which letter has this value?

- [ ] A) X
- [ ] B) J
- [ ] C) M
- [ ] D) L
- [ ] E) N

---

25 K=20, R=8, S=17, W=11, Z=9.
Work out (W + S) - R. Which letter has this value?

- [ ] A) S
- [ ] B) W
- [ ] C) Z
- [ ] D) R
- [ ] E) K

---

26 C=7, K=16, L=2, S=13, Z=18.
Work out L + K. Which letter has this value?

- [ ] A) K
- [ ] B) L
- [ ] C) Z
- [ ] D) S
- [ ] E) C

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27 D=12, G=5, T=6, V=9, X=19.
Work out V x (T - G). Which letter has this value?

- [ ] A) T
- [ ] B) X
- [ ] C) D
- [ ] D) V
- [ ] E) G

---

28 B=22, M=23, P=14, R=10, S=8.
Work out B - P. Which letter has this value?

- [ ] A) S
- [ ] B) B
- [ ] C) M
- [ ] D) P
- [ ] E) R

---

29 D=12, M=17, S=20, W=22, X=18.
Work out (W + X) - S. Which letter has this value?

- [ ] A) S
- [ ] B) M
- [ ] C) D
- [ ] D) W
- [ ] E) X

---

30 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out (P - O) x (C + I). Which letter has this value?

- [ ] A) N
- [ ] B) M
- [ ] C) O
- [ ] D) L
- [ ] E) K

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31 J=22, Q=15, V=13, W=17, Z=24.
Work out (Q + J) - V. Which letter has this value?

- ☐ A) J
- ☐ B) Z
- ☐ C) V
- ☐ D) W
- ☐ E) Q

---

32 G=15, J=18, P=6, Q=3, Z=16.
Work out G + Q. Which letter has this value?

- ☐ A) J
- ☐ B) G
- ☐ C) Q
- ☐ D) Z
- ☐ E) P

---

33 H=18, J=8, T=6, V=2, Z=4.
Work out (V + T) - Z. Which letter has this value?

- ☐ A) H
- ☐ B) V
- ☐ C) J
- ☐ D) T
- ☐ E) Z

---

34 J=14, L=15, R=6, S=10, T=12.
Work out T x (L - J). Which letter has this value?

- ☐ A) R
- ☐ B) L
- ☐ C) S
- ☐ D) T
- ☐ E) J

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35 C=9, F=24, M=11, W=21, Z=10.
Work out W - M. Which letter has this value?

- [ ] A) W
- [ ] B) F
- [ ] C) Z
- [ ] D) C
- [ ] E) M

---

36 G=24, K=21, M=1, Q=6, V=4.
Work out (M + G) - K. Which letter has this value?

- [ ] A) M
- [ ] B) K
- [ ] C) Q
- [ ] D) G
- [ ] E) V

---

37 D=16, H=23, K=3, N=13, T=9.
Work out K + N. Which letter has this value?

- [ ] A) K
- [ ] B) N
- [ ] C) D
- [ ] D) H
- [ ] E) T

---

38 B=5, N=16, P=20, T=23, Z=4.
Work out (N x B) / P. Which letter has this value?

- [ ] A) N
- [ ] B) Z
- [ ] C) B
- [ ] D) P
- [ ] E) T

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39 F=6, H=4, K=16, Q=10, T=3.
Work out (K + H) - Q. Which letter has this value?

- ☐ A) Q
- ☐ B) T
- ☐ C) H
- ☐ D) K
- ☐ E) F

---

40 C=4, D=18, J=3, R=7, V=23.
Work out J x R - D. Which letter has this value?

- ☐ A) J
- ☐ B) V
- ☐ C) D
- ☐ D) R
- ☐ E) C

---

41 G=13, K=15, L=18, W=14, Z=9.
Work out (Z + L) - W. Which letter has this value?

- ☐ A) K
- ☐ B) L
- ☐ C) Z
- ☐ D) G
- ☐ E) W

---

42 D=18, H=15, K=24, R=1, S=8.
Work out S x (D - H). Which letter has this value?

- ☐ A) H
- ☐ B) D
- ☐ C) K
- ☐ D) S
- ☐ E) R

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43 N=20, Q=12, S=23, T=24, V=11.
Work out (S + Q) - V. Which letter has this value?

- ☐ A) N
- ☐ B) T
- ☐ C) S
- ☐ D) V
- ☐ E) Q

---

44 F=22, H=14, J=13, Q=21, W=1.
Work out W x (H - J). Which letter has this value?

- ☐ A) W
- ☐ B) H
- ☐ C) J
- ☐ D) Q
- ☐ E) F

---

45 G=16, H=5, Q=23, S=11, X=21.
Work out (S + X) - G. Which letter has this value?

- ☐ A) X
- ☐ B) Q
- ☐ C) H
- ☐ D) S
- ☐ E) G

---

46 D=18, F=1, L=11, M=19, R=5.
Work out L x F. Which letter has this value?

- ☐ A) M
- ☐ B) D
- ☐ C) F
- ☐ D) L
- ☐ E) R

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47 D=16, G=8, K=13, L=21, T=3.
Work out T x G - D. Which letter has this value?

- [ ] A) K
- [ ] B) T
- [ ] C) G
- [ ] D) D
- [ ] E) L

---

48 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out (I - G) x (H + A). Which letter has this value?

- [ ] A) R
- [ ] B) I
- [ ] C) Q
- [ ] D) T
- [ ] E) S

---

49 F=3, G=5, H=8, J=13, K=21. Work out J - G. Which letter has this value?

- [ ] A) H
- [ ] B) J
- [ ] C) K
- [ ] D) G
- [ ] E) F

---

50 G=4, H=1, J=10, W=3, X=11.
Work out J x H. Which letter has this value?

- [ ] A) H
- [ ] B) W
- [ ] C) X
- [ ] D) J
- [ ] E) G

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51 B=6, J=1, K=20, R=9, W=10.
Work out W - R. Which letter has this value?

- [ ] A) R
- [ ] B) J
- [ ] C) B
- [ ] D) K
- [ ] E) W

---

52 G=7, N=13, P=24, T=18, Z=8.
Work out (T + N) - P. Which letter has this value?

- [ ] A) N
- [ ] B) T
- [ ] C) Z
- [ ] D) P
- [ ] E) G

---

53 B=15, K=19, M=1, S=20, W=6.
Work out W x (S - K). Which letter has this value?

- [ ] A) B
- [ ] B) K
- [ ] C) M
- [ ] D) W
- [ ] E) S

---

54 F=22, G=5, K=8, P=21, S=18.
Work out (K + S) - G. Which letter has this value?

- [ ] A) F
- [ ] B) P
- [ ] C) S
- [ ] D) K
- [ ] E) G

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55 K=4, M=3, P=18, V=19, W=1.
Work out K - W. Which letter has this value?

- [ ] A) V
- [ ] B) W
- [ ] C) P
- [ ] D) K
- [ ] E) M

---

56 C=12, D=3, N=13, Q=21, X=17.
Work out (N + Q) - X. Which letter has this value?

- [ ] A) N
- [ ] B) D
- [ ] C) Q
- [ ] D) X
- [ ] E) C

---

57 F=21, G=3, Q=11, R=13, Z=18.
Work out (G + F) - Q. Which letter has this value?

- [ ] A) R
- [ ] B) Q
- [ ] C) G
- [ ] D) Z
- [ ] E) F

---

58 P=3, Q=15, R=16, T=22, Z=9.
Work out (R + Q) - T. Which letter has this value?

- [ ] A) R
- [ ] B) Q
- [ ] C) T
- [ ] D) Z
- [ ] E) P

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59 J=18, L=1, M=19, Q=10, T=9.
Work out L x J. Which letter has this value?

- [ ] A) T
- [ ] B) M
- [ ] C) L
- [ ] D) J
- [ ] E) Q

---

60 B=21, F=6, K=4, M=15, P=19.
Work out (P + F) - K. Which letter has this value?

- [ ] A) P
- [ ] B) K
- [ ] C) F
- [ ] D) B
- [ ] E) M

---

61 C=21, G=10, M=20, S=22, X=6.
Work out G x (S - C). Which letter has this value?

- [ ] A) S
- [ ] B) C
- [ ] C) X
- [ ] D) M
- [ ] E) G

---

62 B=24, K=1, W=22, X=5, Z=6.
Work out Z x K - X. Which letter has this value?

- [ ] A) W
- [ ] B) K
- [ ] C) B
- [ ] D) X
- [ ] E) Z

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63 K=5, M=9, P=6, R=10, Z=2.
Work out R - K. Which letter has this value?

- [ ] A) P
- [ ] B) Z
- [ ] C) K
- [ ] D) R
- [ ] E) M

---

64 C=7, H=19, N=3, P=4, R=6.
Work out (C + N) - P. Which letter has this value?

- [ ] A) H
- [ ] B) R
- [ ] C) N
- [ ] D) C
- [ ] E) P

---

65 C=3, N=10, S=6, V=15, Z=4.
Work out N - Z. Which letter has this value?

- [ ] A) N
- [ ] B) Z
- [ ] C) C
- [ ] D) V
- [ ] E) S

---

66 F=1, J=4, N=2, S=17, V=10.
Work out F x J - N. Which letter has this value?

- [ ] A) V
- [ ] B) N
- [ ] C) F
- [ ] D) S
- [ ] E) J

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67 C=5, F=20, J=4, N=16, X=21.
Work out J x (X - N). Which letter has this value?

- [ ] A) F
- [ ] B) C
- [ ] C) N
- [ ] D) J
- [ ] E) X

---

68 G=14, H=16, P=5, Q=7, W=2.
Work out (P + H) - Q. Which letter has this value?

- [ ] A) P
- [ ] B) H
- [ ] C) Q
- [ ] D) G
- [ ] E) W

---

69 B=4, G=10, H=19, R=6, T=20.
Work out G - R. Which letter has this value?

- [ ] A) G
- [ ] B) B
- [ ] C) R
- [ ] D) H
- [ ] E) T

---

70 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out B x L - D. Which letter has this value?

- [ ] A) U
- [ ] B) T
- [ ] C) V
- [ ] D) S
- [ ] E) G

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71 D=12, L=19, Q=10, T=16, Z=8.
Work out T - Z. Which letter has this value?

- [ ] A) Q
- [ ] B) T
- [ ] C) Z
- [ ] D) D
- [ ] E) L

---

72 C=10, G=15, H=8, P=6, R=7.
Work out (P + H) - R. Which letter has this value?

- [ ] A) C
- [ ] B) P
- [ ] C) H
- [ ] D) G
- [ ] E) R

---

73 F=22, L=18, M=12, R=6, Z=3.
Work out R x Z. Which letter has this value?

- [ ] A) M
- [ ] B) R
- [ ] C) Z
- [ ] D) L
- [ ] E) F

---

74 H=18, K=3, P=20, T=21, W=12.
Work out (K + T) - W. Which letter has this value?

- [ ] A) H
- [ ] B) W
- [ ] C) T
- [ ] D) P
- [ ] E) K

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75 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out B x L - G. Which letter has this value?

- [ ] A) Q
- [ ] B) R
- [ ] C) P
- [ ] D) J
- [ ] E) S

---

76 G=8, J=10, S=1, V=12, Z=18.
Work out S x J + G. Which letter has this value?

- [ ] A) Z
- [ ] B) G
- [ ] C) V
- [ ] D) S
- [ ] E) J

---

77 G=23, L=11, P=9, Q=2, V=17.
Work out L - Q. Which letter has this value?

- [ ] A) G
- [ ] B) P
- [ ] C) V
- [ ] D) Q
- [ ] E) L

---

78 H=1, N=14, Q=9, R=22, Z=21.
Work out (N + Q) - R. Which letter has this value?

- [ ] A) Q
- [ ] B) R
- [ ] C) N
- [ ] D) Z
- [ ] E) H

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79 D=1, F=17, N=2, S=9, V=8.
Work out F / D - V. Which letter has this value?

- [ ] A) S
- [ ] B) V
- [ ] C) F
- [ ] D) D
- [ ] E) N

---

80 J=8, M=3, N=9, Q=18, R=20.
Work out Q - N. Which letter has this value?

- [ ] A) Q
- [ ] B) R
- [ ] C) J
- [ ] D) N
- [ ] E) M

---

81 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out O x A - J. Which letter has this value?

- [ ] A) F
- [ ] B) G
- [ ] C) E
- [ ] D) D
- [ ] E) V

---

82 B=2, C=11, J=12, N=9, R=23.
Work out N + J + B. Which letter has this value?

- [ ] A) C
- [ ] B) N
- [ ] C) B
- [ ] D) R
- [ ] E) J

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83 B=17, C=9, K=10, P=15, T=12.
Work out (C + P) - T. Which letter has this value?

- ☐ A) P
- ☐ B) K
- ☐ C) C
- ☐ D) B
- ☐ E) T

---

84 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out (P + J) x A. Which letter has this value?

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

---

85 J=6, L=24, M=3, S=15, T=18.
Work out T - S. Which letter has this value?

- ☐ A) L
- ☐ B) T
- ☐ C) S
- ☐ D) M
- ☐ E) J

---

86 B=21, F=19, K=1, N=20, Z=12.
Work out N - K. Which letter has this value?

- ☐ A) Z
- ☐ B) N
- ☐ C) K
- ☐ D) B
- ☐ E) F

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87 G=1, K=8, L=16, Q=15, X=18.
Work out (Q + G) - K. Which letter has this value?

- ☐ A) K
- ☐ B) L
- ☐ C) Q
- ☐ D) X
- ☐ E) G

---

88 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out L x B - G. Which letter has this value?

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

---

89 F=10, N=11, Q=22, V=13, W=12.
Work out (W + N) - F. Which letter has this value?

- ☐ A) F
- ☐ B) V
- ☐ C) W
- ☐ D) Q
- ☐ E) N

---

90 Q=1, S=4, V=16, W=17, Z=22.
Work out Q x W. Which letter has this value?

- ☐ A) Q
- ☐ B) V
- ☐ C) W
- ☐ D) Z
- ☐ E) S

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91 C=9, F=2, G=21, H=17, S=13.
Work out F x S - C. Which letter has this value?

- [ ] A) F
- [ ] B) C
- [ ] C) H
- [ ] D) S
- [ ] E) G

---

92 D=17, M=13, Q=18, T=1, V=23.
Work out T x Q - D. Which letter has this value?

- [ ] A) M
- [ ] B) T
- [ ] C) D
- [ ] D) Q
- [ ] E) V

---

93 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out N x A - I. Which letter has this value?

- [ ] A) D
- [ ] B) E
- [ ] C) G
- [ ] D) V
- [ ] E) F

---

94 D=21, F=14, M=10, Q=9, R=19.
Work out M + Q. Which letter has this value?

- [ ] A) D
- [ ] B) R
- [ ] C) F
- [ ] D) M
- [ ] E) Q

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95 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out D + M x A. Which letter has this value?

- [ ] A) R
- [ ] B) P
- [ ] C) S
- [ ] D) Q
- [ ] E) J

---

96 B=17, F=16, G=24, W=14, Z=23.
Work out (F + G) - B. Which letter has this value?

- [ ] A) G
- [ ] B) B
- [ ] C) Z
- [ ] D) W
- [ ] E) F

---

97 B=14, K=5, L=1, Q=19, W=23.
Work out L x Q. Which letter has this value?

- [ ] A) B
- [ ] B) L
- [ ] C) K
- [ ] D) Q
- [ ] E) W

---

98 G=23, Q=8, R=17, X=10, Z=11.
Work out G x (Z - X). Which letter has this value?

- [ ] A) G
- [ ] B) R
- [ ] C) Z
- [ ] D) Q
- [ ] E) X

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99 K=12, N=24, Q=1, V=2, Z=23.
Work out K x V - Q. Which letter has this value?

- ☐ A) Q
- ☐ B) V
- ☐ C) N
- ☐ D) Z
- ☐ E) K

---

100 B=2, C=8, F=17, K=3, W=11.
Work out W - K. Which letter has this value?

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

---

101 D=12, G=23, L=2, R=1, X=11.
Work out R x D - X. Which letter has this value?

- ☐ A) R
- ☐ B) D
- ☐ C) L
- ☐ D) G
- ☐ E) X

---

102 B=22, D=5, H=4, K=24, V=21.
Work out (V + D) - B. Which letter has this value?

- ☐ A) V
- ☐ B) K
- ☐ C) H
- ☐ D) B
- ☐ E) D

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103 F=5, K=11, L=6, N=21, T=7.
Work out (T + F) - L. Which letter has this value?

- [ ] A) K
- [ ] B) L
- [ ] C) F
- [ ] D) T
- [ ] E) N

---

104 F=5, L=8, N=9, T=18, W=11.
Work out T - N. Which letter has this value?

- [ ] A) F
- [ ] B) T
- [ ] C) N
- [ ] D) W
- [ ] E) L

---

105 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out A x M - E. Which letter has this value?

- [ ] A) H
- [ ] B) J
- [ ] C) S
- [ ] D) I
- [ ] E) G

---

106 B=23, G=20, K=4, Q=22, Z=5.
Work out Z x K. Which letter has this value?

- [ ] A) G
- [ ] B) Z
- [ ] C) K
- [ ] D) Q
- [ ] E) B

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107 C=11, L=19, M=17, N=15, T=2.
Work out M x T - L. Which letter has this value?

- [ ] A) T
- [ ] B) M
- [ ] C) L
- [ ] D) N
- [ ] E) C

---

108 K=16, P=12, R=10, S=13, V=22.
Work out R + P. Which letter has this value?

- [ ] A) P
- [ ] B) K
- [ ] C) R
- [ ] D) V
- [ ] E) S

---

109 B=15, F=10, R=19, S=17, V=5.
Work out (V + B) - F. Which letter has this value?

- [ ] A) F
- [ ] B) S
- [ ] C) B
- [ ] D) V
- [ ] E) R

---

110 B=13, F=19, K=18, S=21, V=14.
Work out K x (V - B). Which letter has this value?

- [ ] A) F
- [ ] B) V
- [ ] C) B
- [ ] D) K
- [ ] E) S

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111 F=4, G=6, H=10, J=16, K=26. Work out F + G. Which letter has this value?

- [ ] A) K
- [ ] B) H
- [ ] C) G
- [ ] D) F
- [ ] E) J

---

112 G=22, H=10, M=21, N=8, P=23.
Work out (M + H) - N. Which letter has this value?

- [ ] A) P
- [ ] B) H
- [ ] C) M
- [ ] D) N
- [ ] E) G

---

113 D=11, F=14, L=7, P=10, R=1.
Work out F - L. Which letter has this value?

- [ ] A) F
- [ ] B) R
- [ ] C) P
- [ ] D) L
- [ ] E) D

---

114 C=18, R=16, T=4, X=12, Z=6.
Work out Z x T - C. Which letter has this value?

- [ ] A) Z
- [ ] B) R
- [ ] C) T
- [ ] D) C
- [ ] E) X

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115 C=11, K=15, S=9, W=5, X=4.
Work out K - C. Which letter has this value?

- [ ] A) S
- [ ] B) K
- [ ] C) C
- [ ] D) W
- [ ] E) X

---

116 C=17, D=6, H=24, P=3, V=21.
Work out (H + P) - V. Which letter has this value?

- [ ] A) P
- [ ] B) H
- [ ] C) D
- [ ] D) C
- [ ] E) V

---

117 B=22, F=11, H=3, Q=9, R=20.
Work out R - Q. Which letter has this value?

- [ ] A) R
- [ ] B) F
- [ ] C) B
- [ ] D) H
- [ ] E) Q

---

118 B=20, F=2, J=12, W=15, Z=11.
Work out W x (J - Z). Which letter has this value?

- [ ] A) J
- [ ] B) B
- [ ] C) Z
- [ ] D) F
- [ ] E) W

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119 B=16, G=22, J=23, P=19, S=9.
Work out (G + B) - P. Which letter has this value?

- [ ] A) G
- [ ] B) J
- [ ] C) S
- [ ] D) P
- [ ] E) B

---

120 F=4, G=7, H=2, J=9, K=15. Work out F + G - H. Which letter has this value?

- [ ] A) F
- [ ] B) G
- [ ] C) H
- [ ] D) J
- [ ] E) K

---

121 D=7, F=13, Q=4, S=19, T=8.
Work out T + Q + D. Which letter has this value?

- [ ] A) F
- [ ] B) T
- [ ] C) D
- [ ] D) Q
- [ ] E) S

---

122 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out E + B x D. Which letter has this value?

- [ ] A) M
- [ ] B) L
- [ ] C) K
- [ ] D) N
- [ ] E) O

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123 C=19, H=9, P=8, X=4, Z=1.
Work out P x Z - X. Which letter has this value?

- [ ] A) Z
- [ ] B) P
- [ ] C) C
- [ ] D) H
- [ ] E) X

---

124 F=5, G=2, K=4, S=20, X=3.
Work out F - G. Which letter has this value?

- [ ] A) F
- [ ] B) X
- [ ] C) G
- [ ] D) S
- [ ] E) K

---

125 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out F + A x C. Which letter has this value?

- [ ] A) I
- [ ] B) H
- [ ] C) K
- [ ] D) R
- [ ] E) J

---

126 C=18, F=22, R=11, S=4, T=5.
Work out R x S - F. Which letter has this value?

- [ ] A) R
- [ ] B) F
- [ ] C) S
- [ ] D) C
- [ ] E) T

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127 B=21, C=22, P=18, S=13, Z=3.
Work out Z + P. Which letter has this value?

- [ ] A) C
- [ ] B) Z
- [ ] C) S
- [ ] D) P
- [ ] E) B

---

128 F=8, P=5, R=16, T=22, V=11.
Work out (R x V) / T. Which letter has this value?

- [ ] A) R
- [ ] B) V
- [ ] C) T
- [ ] D) P
- [ ] E) F

---

129 F=5, G=9, H=3, J=12, K=15. Work out F x H. Which letter has this value?

- [ ] A) H
- [ ] B) F
- [ ] C) J
- [ ] D) K
- [ ] E) G

---

130 B=19, J=12, L=14, P=18, T=10.
Work out (T + L) - J. Which letter has this value?

- [ ] A) P
- [ ] B) T
- [ ] C) L
- [ ] D) J
- [ ] E) B

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131 B=16, J=7, M=1, P=8, R=21.
Work out P + J + M. Which letter has this value?

- [ ] A) R
- [ ] B) B
- [ ] C) P
- [ ] D) J
- [ ] E) M

---

132 F=24, G=18, H=17, N=4, R=5.
Work out F x (R - N). Which letter has this value?

- [ ] A) G
- [ ] B) R
- [ ] C) N
- [ ] D) H
- [ ] E) F

---

133 D=9, J=5, K=13, V=12, W=18.
Work out W - J. Which letter has this value?

- [ ] A) V
- [ ] B) D
- [ ] C) W
- [ ] D) K
- [ ] E) J

---

134 C=14, D=19, G=7, S=6, W=4.
Work out C - G. Which letter has this value?

- [ ] A) D
- [ ] B) S
- [ ] C) C
- [ ] D) W
- [ ] E) G

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135 B=9, K=5, M=15, N=1, Z=22.
Work out B + K + N. Which letter has this value?

- [ ] A) K
- [ ] B) B
- [ ] C) N
- [ ] D) Z
- [ ] E) M

---

136 C=24, F=4, G=20, T=13, Z=21.
Work out F x (Z - G). Which letter has this value?

- [ ] A) F
- [ ] B) Z
- [ ] C) G
- [ ] D) T
- [ ] E) C

---

137 F=6, G=4, H=10, J=24, K=40. Work out G x H. Which letter has this value?

- [ ] A) H
- [ ] B) K
- [ ] C) G
- [ ] D) F
- [ ] E) J

---

138 C=4, H=14, K=11, L=20, S=7.
Work out C + S. Which letter has this value?

- [ ] A) S
- [ ] B) K
- [ ] C) H
- [ ] D) C
- [ ] E) L

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139 B=3, J=10, M=22, N=12, P=20.
Work out (M + J) - N. Which letter has this value?

- ☐ A) J
- ☐ B) N
- ☐ C) B
- ☐ D) M
- ☐ E) P

---

140 D=16, G=20, J=4, W=5, X=12.
Work out (G + J) - X. Which letter has this value?

- ☐ A) W
- ☐ B) G
- ☐ C) J
- ☐ D) X
- ☐ E) D

---

141 B=14, F=1, L=6, M=19, W=13.
Work out F x M. Which letter has this value?

- ☐ A) W
- ☐ B) M
- ☐ C) F
- ☐ D) L
- ☐ E) B

---

142 C=9, F=17, G=18, V=19, W=21.
Work out C x (V - F). Which letter has this value?

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

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143 F=20, V=6, W=7, X=10, Z=1.
Work out X x Z. Which letter has this value?

- [ ] A) X
- [ ] B) V
- [ ] C) F
- [ ] D) W
- [ ] E) Z

---

144 B=16, G=7, S=8, V=24, W=9.
Work out W + S + G. Which letter has this value?

- [ ] A) B
- [ ] B) V
- [ ] C) S
- [ ] D) G
- [ ] E) W

---

145 B=12, D=14, J=24, Q=21, Z=8.
Work out (Z x Q) / B. Which letter has this value?

- [ ] A) J
- [ ] B) D
- [ ] C) Q
- [ ] D) Z
- [ ] E) B

---

146 B=10, H=3, J=14, L=20, Z=1.
Work out Z x L - B. Which letter has this value?

- [ ] A) B
- [ ] B) H
- [ ] C) J
- [ ] D) Z
- [ ] E) L

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147 G=19, M=20, R=8, T=3, V=4.
Work out R - V. Which letter has this value?

- [ ] A) T
- [ ] B) M
- [ ] C) R
- [ ] D) V
- [ ] E) G

---

148 C=3, G=6, N=24, S=12, Z=21.
Work out (G + Z) - C. Which letter has this value?

- [ ] A) Z
- [ ] B) G
- [ ] C) C
- [ ] D) N
- [ ] E) S

---

149 C=1, G=14, R=2, T=17, X=19.
Work out (R + T) / C. Which letter has this value?

- [ ] A) C
- [ ] B) X
- [ ] C) R
- [ ] D) G
- [ ] E) T

---

150 B=2, C=11, K=19, M=1, S=24.
Work out B x M. Which letter has this value?

- [ ] A) S
- [ ] B) K
- [ ] C) B
- [ ] D) M
- [ ] E) C

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151 B=18, C=5, J=13, N=17, P=4.
Work out (C + N) - B. Which letter has this value?

- [ ] A) P
- [ ] B) C
- [ ] C) B
- [ ] D) N
- [ ] E) J

---

152 F=18, G=2, M=8, N=9, W=14.
Work out G x N. Which letter has this value?

- [ ] A) W
- [ ] B) N
- [ ] C) M
- [ ] D) G
- [ ] E) F

---

153 Each letter stands for its place in the alphabet (A=1, B=2, C=3 and so on).
Work out (E + H) x B. Which letter has this value?

- [ ] A) Z
- [ ] B) X
- [ ] C) Y
- [ ] D) W
- [ ] E) A

---

154 F=14, J=1, P=12, R=4, T=16.
Work out (P + T) - F. Which letter has this value?

- [ ] A) T
- [ ] B) J
- [ ] C) R
- [ ] D) F
- [ ] E) P

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Mark scheme · 3.19 Letters for Numbers: 2-hour Pack

Question 1

C) R - R x C = 8, and R = 8 **B1**

Answer: C) R

Question 2

C) J - (N + R) / J = 5, and J = 5 **B1**

Answer: C) J

Question 3

E) Z - (N + T) - F = 9, and Z = 9 **B1**

Answer: E) Z

Question 4

B) K - work out the bracket first (dividing before adding inside it), then multiply, then subtract: (F / G + H) x J - H = (100 / 5 + 4) x 3 - 4 = (20 + 4) x 3 - 4 = 24 x 3 - 4 = 72 - 4 = 68, and K = 68 (cao) **B1**

Answer: B) K

Question 5

C) Z - (D + K) - P = 23, and Z = 23 **B1**

Answer: C) Z

Question 6

E) L - (B + L) / N = 2, and L = 2 **B1**

Answer: E) L

Question 7

B) Z - S x J - Z = 9, and Z = 9 **B1**

Answer: B) Z

Question 8

A) S - S x J = 16, and S = 16 **B1**

Answer: A) S

Question 9

A) H - (G + D) / H = 3, and H = 3 **B1**

Answer: A) H

Question 10

E) G - (M + B) - G = 15, and G = 15 **B1**

Answer: E) G

Question 11

B) F - F x Z = 19, and F = 19 **B1**

Answer: B) F

Question 12

C) Q - H x D - O = 17, and the letter in place 17 is Q **B1**

Answer: C) Q

Question 13

C) V - J x B - D = 4, and V = 4 **B1**

Answer: C) V

Question 14

D) T - Q x T - H = 4, and T = 4 **B1**

Answer: D) T

Question 15

E) M - (Z + G) - M = 12, and M = 12 **B1**

Answer: E) M

Question 16

C) D - (F + Q) / D = 5, and D = 5 **B1**

Answer: C) D

Question 17

D) P - P x L = 20, and P = 20 **B1**

Answer: D) P

Question 18

C) S - Q + M = 16, and S = 16 **B1**

Answer: C) S

Question 19

E) Q - (D + T) - N = 11, and Q = 11 **B1**

Answer: E) Q

Question 20

C) C - M x (Z - Q) = 10, and C = 10 **B1**

Answer: C) C

Question 21

D) M - P x B - H = 15, and M = 15 **B1**

Answer: D) M

Question 22

B) K - Q + D = 15, and K = 15 **B1**

Answer: B) K

Question 23

B) C - F + L = 23, and C = 23 **B1**

Answer: B) C

Question 24

A) X - (N + J) - M = 15, and X = 15 **B1**

Answer: A) X

Question 25

E) K - (W + S) - R = 20, and K = 20 **B1**

Answer: E) K

Question 26

C) Z - L + K = 18, and Z = 18 **B1**

Answer: C) Z

Question 27

D) V - V x (T - G) = 9, and V = 9 **B1**

Answer: D) V

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Question 28

A) S - B - P = 8, and S = 8 **B1**

Answer: A) S

Question 29

A) S - (W + X) - S = 20, and S = 20 **B1**

Answer: A) S

Question 30

D) L - (P - O) x (C + I) = 12, and the letter in place 12 is L **B1**

Answer: D) L

Question 31

B) Z - (Q + J) - V = 24, and Z = 24 **B1**

Answer: B) Z

Question 32

A) J - G + Q = 18, and J = 18 **B1**

Answer: A) J

Question 33

E) Z - (V + T) - Z = 4, and Z = 4 **B1**

Answer: E) Z

Question 34

D) T - T x (L - J) = 12, and T = 12 **B1**

Answer: D) T

Question 35

C) Z - W - M = 10, and Z = 10 **B1**

Answer: C) Z

Question 36

E) V - (M + G) - K = 4, and V = 4 **B1**

Answer: E) V

Question 37

C) D - K + N = 16, and D = 16 **B1**

Answer: C) D

Question 38

B) Z - (N x B) / P = 4, and Z = 4 **B1**

Answer: B) Z

Question 39

A) Q - (K + H) - Q = 10, and Q = 10 **B1**

Answer: A) Q

Question 40

A) J - J x R - D = 3, and J = 3 **B1**

Answer: A) J

Question 41

D) G - (Z + L) - W = 13, and G = 13 **B1**

Answer: D) G

Question 42

C) K - S x (D - H) = 24, and K = 24 **B1**

Answer: C) K

Question 43

B) T - (S + Q) - V = 24, and T = 24 **B1**

Answer: B) T

Question 44

A) W - W x (H - J) = 1, and W = 1 **B1**

Answer: A) W

Question 45

E) G - (S + X) - G = 16, and G = 16 **B1**

Answer: E) G

Question 46

D) L - L x F = 11, and L = 11 **B1**

Answer: D) L

Question 47

C) G - T x G - D = 8, and G = 8 **B1**

Answer: C) G

Question 48

A) R - (I - G) x (H + A) = 18, and the letter in place 18 is R **B1**

Answer: A) R

Question 49

A) H - J - G = 13 - 5 = 8, and H = 8 (cao) **B1**

Answer: A) H

Question 50

D) J - J x H = 10, and J = 10 **B1**

Answer: D) J

Question 51

B) J - W - R = 1, and J = 1 **B1**

Answer: B) J

Question 52

E) G - (T + N) - P = 7, and G = 7 **B1**

Answer: E) G

Question 53

D) W - W x (S - K) = 6, and W = 6 **B1**

Answer: D) W

Question 54

B) P - (K + S) - G = 21, and P = 21 **B1**

Answer: B) P

Question 55

E) M - K - W = 3, and M = 3 **B1**

Answer: E) M

Question 56

D) X - (N + Q) - X = 17, and X = 17 **B1**

Answer: D) X

Question 57

A) R - (G + F) - Q = 13, and R = 13 **B1**

Answer: A) R

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Question 58

D) Z - (R + Q) - T = 9, and Z = 9 **B1**

Answer: D) Z

Question 59

D) J - L x J = 18, and J = 18 **B1**

Answer: D) J

Question 60

D) B - (P + F) - K = 21, and B = 21 **B1**

Answer: D) B

Question 61

E) G - G x (S - C) = 10, and G = 10 **B1**

Answer: E) G

Question 62

B) K - Z x K - X = 1, and K = 1 **B1**

Answer: B) K

Question 63

C) K - R - K = 5, and K = 5 **B1**

Answer: C) K

Question 64

B) R - (C + N) - P = 6, and R = 6 **B1**

Answer: B) R

Question 65

E) S - N - Z = 6, and S = 6 **B1**

Answer: E) S

Question 66

B) N - F x J - N = 2, and N = 2 **B1**

Answer: B) N

Question 67

A) F - J x (X - N) = 20, and F = 20 **B1**

Answer: A) F

Question 68

D) G - (P + H) - Q = 14, and G = 14 **B1**

Answer: D) G

Question 69

B) B - G - R = 4, and B = 4 **B1**

Answer: B) B

Question 70

B) T - B x L - D = 20, and the letter in place 20 is T **B1**

Answer: B) T

Question 71

C) Z - T - Z = 8, and Z = 8 **B1**

Answer: C) Z

Question 72

E) R - (P + H) - R = 7, and R = 7 **B1**

Answer: E) R

Question 73

D) L - R x Z = 18, and L = 18 **B1**

Answer: D) L

Question 74

B) W - (K + T) - W = 12, and W = 12 **B1**

Answer: B) W

Question 75

A) Q - B x L - G = 17, and the letter in place 17 is Q **B1**

Answer: A) Q

Question 76

A) Z - S x J + G = 18, and Z = 18 **B1**

Answer: A) Z

Question 77

B) P - L - Q = 9, and P = 9 **B1**

Answer: B) P

Question 78

E) H - (N + Q) - R = 1, and H = 1 **B1**

Answer: E) H

Question 79

A) S - F / D - V = 9, and S = 9 **B1**

Answer: A) S

Question 80

D) N - Q - N = 9, and N = 9 **B1**

Answer: D) N

Question 81

C) E - O x A - J = 5, and the letter in place 5 is E **B1**

Answer: C) E

Question 82

D) R - N + J + B = 23, and R = 23 **B1**

Answer: D) R

Question 83

E) T - (C + P) - T = 12, and T = 12 **B1**

Answer: E) T

Question 84

A) Z - (P + J) x A = 26, and the letter in place 26 is Z **B1**

Answer: A) Z

Question 85

D) M - T - S = 3, and M = 3 **B1**

Answer: D) M

Question 86

E) F - N - K = 19, and F = 19 **B1**

Answer: E) F

Question 87

A) K - (Q + G) - K = 8, and K = 8 **B1**

Answer: A) K

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Question 88

C) Q - L x B - G = 17, and the letter in place 17 is Q **B1**

Answer: C) Q

Question 89

B) V - (W + N) - F = 13, and V = 13 **B1**

Answer: B) V

Question 90

C) W - Q x W = 17, and W = 17 **B1**

Answer: C) W

Question 91

C) H - F x S - C = 17, and H = 17 **B1**

Answer: C) H

Question 92

B) T - T x Q - D = 1, and T = 1 **B1**

Answer: B) T

Question 93

B) E - N x A - I = 5, and the letter in place 5 is E **B1**

Answer: B) E

Question 94

B) R - M + Q = 19, and R = 19 **B1**

Answer: B) R

Question 95

D) Q - D + M x A = 17, and the letter in place 17 is Q **B1**

Answer: D) Q

Question 96

C) Z - (F + G) - B = 23, and Z = 23 **B1**

Answer: C) Z

Question 97

D) Q - L x Q = 19, and Q = 19 **B1**

Answer: D) Q

Question 98

A) G - G x (Z - X) = 23, and G = 23 **B1**

Answer: A) G

Question 99

D) Z - K x V - Q = 23, and Z = 23 **B1**

Answer: D) Z

Question 100

C) C - W - K = 8, and C = 8 **B1**

Answer: C) C

Question 101

A) R - R x D - X = 1, and R = 1 **B1**

Answer: A) R

Question 102

C) H - (V + D) - B = 4, and H = 4 **B1**

Answer: C) H

Question 103

B) L - (T + F) - L = 6, and L = 6 **B1**

Answer: B) L

Question 104

C) N - T - N = 9, and N = 9 **B1**

Answer: C) N

Question 105

A) H - A x M - E = 8, and the letter in place 8 is H **B1**

Answer: A) H

Question 106

A) G - Z x K = 20, and G = 20 **B1**

Answer: A) G

Question 107

D) N - M x T - L = 15, and N = 15 **B1**

Answer: D) N

Question 108

D) V - R + P = 22, and V = 22 **B1**

Answer: D) V

Question 109

A) F - (V + B) - F = 10, and F = 10 **B1**

Answer: A) F

Question 110

D) K - K x (V - B) = 18, and K = 18 **B1**

Answer: D) K

Question 111

B) H - F + G = 4 + 6 = 10, and H = 10 (cao) **B1**

Answer: B) H

Question 112

A) P - (M + H) - N = 23, and P = 23 **B1**

Answer: A) P

Question 113

D) L - F - L = 7, and L = 7 **B1**

Answer: D) L

Question 114

A) Z - Z x T - C = 6, and Z = 6 **B1**

Answer: A) Z

Question 115

E) X - K - C = 4, and X = 4 **B1**

Answer: E) X

Question 116

C) D - (H + P) - V = 6, and D = 6 **B1**

Answer: C) D

Question 117

B) F - R - Q = 11, and F = 11 **B1**

Answer: B) F

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Question 118

E) W - W x (J - Z) = 15, and W = 15 **B1**

Answer: E) W

Question 119

D) P - (G + B) - P = 19, and P = 19 **B1**

Answer: D) P

Question 120

D) J - F + G - H = 4 + 7 - 2 = 9, and J = 9 (cao) **B1**

Answer: D) J

Question 121

E) S - T + Q + D = 19, and S = 19 **B1**

Answer: E) S

Question 122

A) M - E + B x D = 13, and the letter in place 13 is M **B1**

Answer: A) M

Question 123

E) X - P x Z - X = 4, and X = 4 **B1**

Answer: E) X

Question 124

B) X - F - G = 3, and X = 3 **B1**

Answer: B) X

Question 125

A) I - F + A x C = 9, and the letter in place 9 is I **B1**

Answer: A) I

Question 126

B) F - R x S - F = 22, and F = 22 **B1**

Answer: B) F

Question 127

E) B - Z + P = 21, and B = 21 **B1**

Answer: E) B

Question 128

E) F - (R x V) / T = 8, and F = 8 **B1**

Answer: E) F

Question 129

D) K - F x H = 5 x 3 = 15, and K = 15 (cao) **B1**

Answer: D) K

Question 130

D) J - (T + L) - J = 12, and J = 12 **B1**

Answer: D) J

Question 131

B) B - P + J + M = 16, and B = 16 **B1**

Answer: B) B

Question 132

E) F - F x (R - N) = 24, and F = 24 **B1**

Answer: E) F

Question 133

D) K - W - J = 13, and K = 13 **B1**

Answer: D) K

Question 134

E) G - C - G = 7, and G = 7 **B1**

Answer: E) G

Question 135

E) M - B + K + N = 15, and M = 15 **B1**

Answer: E) M

Question 136

A) F - F x (Z - G) = 4, and F = 4 **B1**

Answer: A) F

Question 137

B) K - G x H = 4 x 10 = 40, and K = 40 (cao) **B1**

Answer: B) K

Question 138

B) K - C + S = 11, and K = 11 **B1**

Answer: B) K

Question 139

E) P - (M + J) - N = 20, and P = 20 **B1**

Answer: E) P

Question 140

D) X - (G + J) - X = 12, and X = 12 **B1**

Answer: D) X

Question 141

B) M - F x M = 19, and M = 19 **B1**

Answer: B) M

Question 142

E) G - C x (V - F) = 18, and G = 18 **B1**

Answer: E) G

Question 143

A) X - X x Z = 10, and X = 10 **B1**

Answer: A) X

Question 144

B) V - W + S + G = 24, and V = 24 **B1**

Answer: B) V

Question 145

B) D - (Z x Q) / B = 14, and D = 14 **B1**

Answer: B) D

Question 146

A) B - Z x L - B = 10, and B = 10 **B1**

Answer: A) B

Question 147

D) V - R - V = 4, and V = 4 **B1**

Answer: D) V

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Question 148

D) N - (G + Z) - C = 24, and N = 24 **B1**

Answer: D) N

Question 149

B) X - (R + T) / C = 19, and X = 19 **B1**

Answer: B) X

Question 150

C) B - B x M = 2, and B = 2 **B1**

Answer: C) B

Question 151

A) P - (C + N) - B = 4, and P = 4 **B1**

Answer: A) P

Question 152

E) F - G x N = 18, and F = 18 **B1**

Answer: E) F

Question 153

A) Z - (E + H) x B = 26, and the letter in place 26 is Z **B1**

Answer: A) Z

Question 154

D) F - (P + T) - F = 14, and F = 14 **B1**

Answer: D) F

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