Verbal Reasoning

Letter-coded Sums

Practice Questions

A = 3, B = 6, C = 2, D = 12, E = 10
Giving your answer as a letter, calculate:

1. B ÷ C =
2. (E - B) ÷ C =
3. (A x C) x C =
4. (E + C) ÷ (B ÷ A) =
5. E + C - B =

A = 1, B = 6, C = 5, D = 2, E = 8
Giving your answer as a letter, calculate:

6. (E + D) ÷ D =
7. (B - C) + A =
8. (B ÷ D) + (E - B) =
9. (C x D + B) ÷ D =
10. A + C + D =

Can you choose five letters (they don't need to be A, B, C, D, E) and create your own problem?

What do I do?

Calculate the answer to each sum by decoding the letters. Each letter stands for a number.

Top Tips!

- Write the number of top of each of the letters to help you remember which number represents each letter.

Remember **BIDMAS** -

- **B** - Brackets
- **I** - Indices
- **D** - Division
- **M** - Multiplication
- **A** - Addition
- **S** - Subtraction

You might need this to decide what order to calculate the number problem in.

What skills do I need to improve?

Doing lots of practice questions will help with becoming familiar with question types but what else can you do to improve in this area?

- You'll need to be familiar with BIDMAS and confident with all four operations - addition, subtraction, multiplication and division.
- A good knowledge of your times tables and related division facts will help with completing these questions quickly.

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Letter-coded Sums

Answers

A = 3, B = 6, C = 2, D = 12, E = 10
Giving your answer as a **letter**, calculate:

1. B ÷ C = **A** - *6 ÷ 2 = 3*
2. (E - B) ÷ C = **C** - *(10 - 6) ÷ 2*
3. (A x C) x C = **D** - *(3 x 2) x 2 = 12*
4. (E + C) ÷ (B ÷ A) = **B** - *(10 + 2) ÷ (6 ÷ 3) = 6*
5. E + C - B = **B** = *10 + 2 - 6 = 6 BIDMAS - addition FIRST*

A = 1, B = 6, C = 5, D = 2, E = 8
Giving your answer as a **letter**, calculate:

6. (E + D) ÷ D = **C** *(8 + 2) ÷ 2 = 5*
7. (B - C) + A = **D** *(6 - 5) + 1 = 2*
8. (B ÷ D) + (E - B) = **C** *(6 ÷ 2) + (8 - 6) = 5*
9. (C x D + B) ÷ D = **E** *(5 x 2 + 6) ÷ 2 = 8*
10. A + C + D = **E** *1 + 5 + 2 = 8*