



# Alphabet Arithmetic - set samples - paper 1

Use BIDMAS to evaluate each calculation and convert your answer to a letter using the key.

1.  $A = 10, B = 7, C = 2, D = 12, E = 17$

$$A \div C + D = [?]$$

ans \_\_\_\_\_

3.  $A = 2, B = 12, C = 5, D = 4, E = 11, F = 1$

$$E - A \times C = [?]$$

ans \_\_\_\_\_

2.  $A = 3, B = 13, C = 2, D = 21, E = 5, F = 14$

$$E \times C + A = [?]$$

ans \_\_\_\_\_



## Alphabet Arithmetic - set samples - Answers

1.  $A = 10, C = 2, D = 12$

So:

$$\begin{aligned} A \div C + D \\ &= 10 \div 2 + 12 \\ &= 5 + 12 \\ &= 17 \end{aligned}$$

$$17 = E$$

Answer: E

2.  $E = 5, C = 2, A = 3$

So:

$$\begin{aligned} E \times C + A \\ &= 5 \times 2 + 3 \\ &= 10 + 3 \\ &= 13 \end{aligned}$$

$$13 = B$$

Answer: B

3.  $E = 11, A = 2, C = 5$

So:

$$\begin{aligned} E - A \times C \\ &= 11 - 2 \times 5 \\ &= 11 - 10 \\ &= 1 \end{aligned}$$

$$1 = F$$

Answer: F