



# New Maths GCSE: A19 - Simultaneous Equations: Step-by-step 1

Name:.....

Date:.....

**Step 1**

$$3x - y = 12$$
$$2x + y = 13$$

What is a correct next step to solve these simultaneous equations?

**A**  $5x = 25$     **B**  $x = -1$

**C**  $x = 1$         **D**  $y = -1$

Correct Answer: A B C D

Explanation:

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**Step 2**

$$5x = 25$$

What is a correct next step to solve these simultaneous equations?

**A**  $x = 5$         **B**  $y = 0$

**C**  $x = 3$         **D**  $x = 20$

Correct Answer: A B C D

Explanation:

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**Step 3**

**x = 5**

$$2x + y = 13$$

What is a correct next step to solve these simultaneous equations?

**A**  $25 + y = 13$     **B**  $10 + y = 13$

**C**  $2x + 5 = 13$     **D**  $5 + y = 13$

Correct Answer: A B C D

Explanation:

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Step 4

$x = 5$        $10 + y = 13$

What is a correct next step to solve these simultaneous equations?

A  $y = 3$       B  $y = 23$

C  $y = -23$       D  $y = -3$

Correct Answer: A B C D

Explanation:

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Step 5

$x = 5$        $3x - y = 12$

$y = 3$        $2x + y = 13$

What is the best way to check our final answers are correct?

A  $10 + 3 = 13$       B  $35 - 3 = 32$

C  $25 + 3 = 28$       D  $15 - 3 = 12$

Correct Answer: A B C D

Explanation:

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