



New Maths GCSE: A17 - Solving Linear Equations - all skills

Name:.....

Date:.....

$2n - 5 = 11$

What is the correct solution to the above equation?

A $n = 8$	B $n = 3$
C $n = 0.5$	D $n = 10.5$

Correct Answer: A B C D

Explanation:

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$\frac{p}{3} = 15$

What is the correct solution to the above equation?

A $p = 5$	B $p = 12$
C $p = 18$	D $p = 45$

Correct Answer: A B C D

Explanation:

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$10(k + 2) = 45$

What is the correct solution to the above equation?

A $k = 2.5$	B $k = 6.5$
C $k = 4.3$	D $k = 4.7$

Correct Answer: A B C D

Explanation:

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$5 - g = 7$

What is the correct solution to the above equation?

<input type="radio"/> A $g = 12$	<input type="radio"/> B $g = -12$
<input type="radio"/> C $g = 2$	<input type="radio"/> D $g = -2$

Correct Answer: A B C D

Explanation:

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$5d + 2 = d - 10$

Which of the following is a correct next step in answering this question?

<input type="radio"/> A $6d + 2 = 10$	<input type="radio"/> B $4d + 2 = 10$
<input type="radio"/> C $4d + 2 = -10$	<input type="radio"/> D $5d + 2 = -10$

Correct Answer: A B C D

Explanation:

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$A = 2(l + b)$

Which of the following words best describes the above?

<input type="radio"/> A Equation	<input type="radio"/> B Expression
<input type="radio"/> C Identity	<input type="radio"/> D Formula

Correct Answer: A B C D

Explanation:

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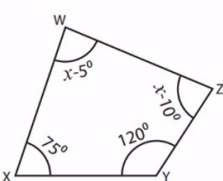
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Which of the following is a correct way of representing the problem algebraically to find the value of x?

<input type="radio"/> A $2x + 210 = 180$	<input type="radio"/> B $2x + 180 = 180$
<input type="radio"/> C $2x + 210 = 360$	<input type="radio"/> D $2x + 180 = 360$

Correct Answer: A B C D

Explanation:

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Colm has £y. Anton has £5 more than Colm. Gaz has twice as much as Anton. Altogether they have £105

Which of the following is a correct way of representing the above situation algebraically?

<input type="radio"/> A $4y + 15 = 105$	<input type="radio"/> B $4y + 5 = 105$
<input type="radio"/> C $y + 15 = 105$	<input type="radio"/> D $19y = 105$

Correct Answer: A B C D

Explanation:

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$$\frac{x + 2}{5} = x - 3$$

Which of the following is a correct next step in answering this question?

<input type="radio"/> A $x + 2 = 5x - 3$	<input type="radio"/> B $5x + 10 = 5x - 15$
<input type="radio"/> C $x + 2 = 5x - 15$	<input type="radio"/> D $x + 2 = x + 2$

Correct Answer: A B C D

Explanation:

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$$\frac{p}{3} - \frac{p - 2}{5} = 4$$

Which of the following is a step in answering the solution of this problem?

<input type="radio"/> A $5p - 3p - 2 = 4$	<input type="radio"/> B $5p - 3p + 6 = 60$
<input type="radio"/> C $5p - 3p - 6 = 4$	<input type="radio"/> D $5p - 3p - 6 = 60$

Correct Answer: A B C D

Explanation:

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