



Writing Expressions and Sequences

Name:

Date:

A bus has p passengers on board when it arrives at a bus stop. 10 passengers get off and 14 get on. Which of the following is an expression, in terms of p , for the number of passengers on the bus when it leaves the bus stop?

$p + 4$ $p - 4$ $4p$ $p + 24$

A **B** **C** **D**

Correct Answer: A B C D

Explanation:

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Sweets cost 9 pence each. Rachel buys s sweets. Which of the following is an expression, in terms of s , for the total cost?

$9s$ $s/9$ $s + 9$ $9p$

A **B** **C** **D**

Correct Answer: A B C D

Explanation:

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Simplify $5x - 5$

x $4x$ 5 $5x - 5$

A **B** **C** **D**

Correct Answer: A B C D

Explanation:

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Simplify $3x + 4y + 5x - 6y$

A B C D

Correct Answer: A B C D

Explanation:

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Simplify $5p - 4s - 3p - 2s$

A B C D

Correct Answer: A B C D

Explanation:

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Here is an isosceles triangle. Which of the following is an expression, in terms of a and b , for the perimeter of the triangle?



A B C D

Correct Answer: A B C D

Explanation:

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What is $5y$ multiplied by $2y$ in its simplest form?

A B C D

Correct Answer: A B C D

Explanation:

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Here are the first five terms of an arithmetic sequence.
 12, 19, 26, 33, 40

Which of the following is an expression, in terms of n , for the n th term of this sequence?

$7n + 12$ $7n + 5$ $n + 7$ $7n$

A **B** **C** **D**

Correct Answer: A B C D

Explanation:

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Here are the first five terms of an arithmetic sequence.
 85, 77, 69, 61, 53

Which of the following is an expression, in terms of n , for the n th term of this sequence?

$8n + 5$ $n - 8$ $85 - 8n$ $93 - 8n$

A **B** **C** **D**

Correct Answer: A B C D

Explanation:

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The n th term of a sequence is given by $2n - 3$. What is the 10th term of the sequence?

23 14 17 197

A **B** **C** **D**

Correct Answer: A B C D

Explanation:

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The n th term of a sequence is $100 - 7n$. Which of the following is **not** a term in the sequence?

93 65 70 9

A **B** **C** **D**

Correct Answer: A B C D

Explanation:

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