

## **Writing Expressions and Squences**

Name:	Date:
	Correct Answer: A B C D
The state of the s	Explanation:
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
Sweets cost 0 pages each Backel buye s	Explanation:
Sweets cost 9 pence each. Rachel buys s sweets. Which of the following is an expression, in terms of s, for the total cost?	
in terms of s, for the total cost:	
9s s/9 s + 9 9p	
A B C D	
	Correct Answer: A B C D
Simplify 5x – 5	Explanation:
x 4x 5 5x – 5	
A B C D	

Simplify 3x + 4y + 5x - 6y  8x + 10y 8x - 2y -2x - 2y 8x + 2y  A B C D	Correct Answer: A B C D  Explanation:
Simplify 5p - 4s - 3p - 2s  2p + 6s	Correct Answer: A B C D  Explanation:
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    2a - b  3a 4a + b 4a 4a + 3b  A B C D	Correct Answer: A B C D Explanation:
What is 5y multiplied by 2y in its simplest form?  52y <sup>2</sup> 7yy 10y <sup>2</sup> 10y	Correct Answer: A B C D Explanation:

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 nth term of this sequence?  7n + 12 7n + 5 n + 7 7n  A B C D	Correct Answer: A B C D  Explanation:
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 nth term of this sequence?  8n + 5	Correct Answer: A B C D  Explanation:
The nth term of a sequence is given by 2n – 3. What is the 10 <sup>th</sup> term of the sequence?  23 14 17 197  A B C D	Correct Answer: A B C D  Explanation:
The nth term of a sequence is 100 – 7n. Which of the following is <b>not</b> a term in the sequence?  93 65 70 9  A B C D	Correct Answer: A B C D Explanation: