



THIRD SPACE
LEARNING

Algebraic Expressions Check for Understanding

A 15 question retrieval quiz for
students in grades 6 and 7.

Grades 6 and 7

Questions

Name:

Class:

Date:

Score:

- 1 Write $223 + c$ in word form.

Answer

- 2 Write the expression that shows “10 less than the quotient of 4 and w .”

Answer

- 3 Simplify the expression $13d - 6d + 9d + 13$.

Answer

- 4 Simplify the expression $8p - 9q + 5 - p + 2q - 3$.

Answer

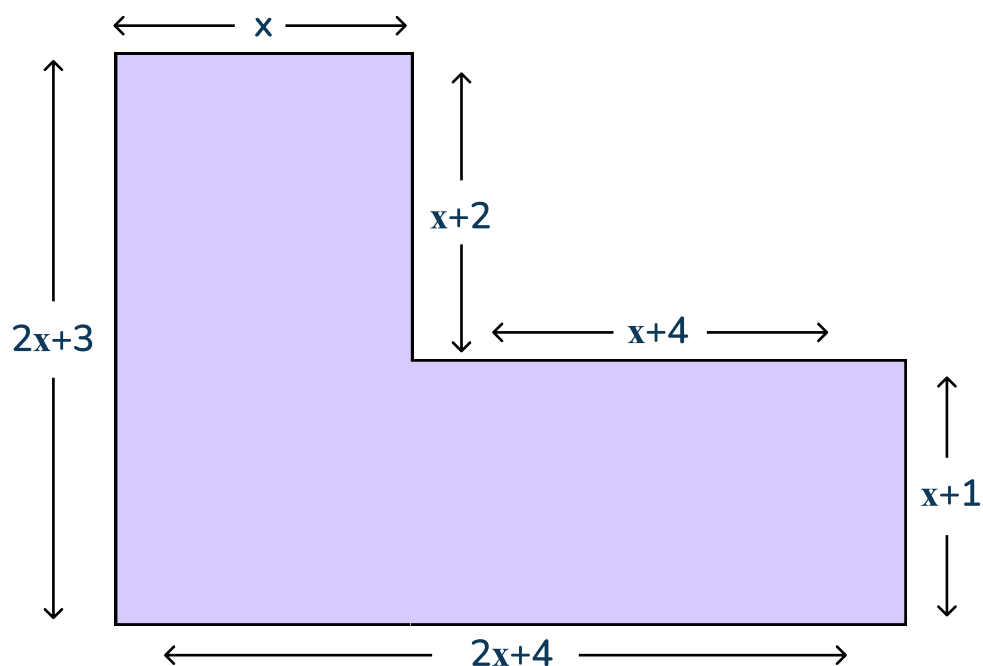
5 Simplify $5(f + 12)$.

Answer

6 Simplify $11(m - 6) + 9m$.

Answer

7 Write the simplified expression for the perimeter of the shape.



Answer

8 Expand $6(7 - y)$.

Answer

9 Expand and simplify $9(x + 2) - 12$.

Answer

10 Expand and simplify $3(3 - b) + 8(b + 9)$.

Answer

11 Circle the expression(s) equal to $6a - 2b$.

$-2b + 6a$

$-6a + 2b$

$5a - 2b + a$

$4ab$

12 Circle the expression(s) equal to $-4r + 12$.

$12b - 4r$

$-3r + 12 + r$

$8r$

$4r - 12$

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13 Evaluate $2(h + 16)$ when $h = \frac{1}{2}$

Answer

14 Evaluate $45x - 3.4y$ when $x = 5$ and $y = 6$

Answer

15 Evaluate $a(n - 6)^4$ when $a = 3$ and $n = 9$.

Answer

Answers

Question number	Question	Answers	Standard
1	Write $223 + c$ in word form.	c more than 223 OR the sum of 223 and c OR 223 plus c	6.EE.A.2a
2	Write the expression that shows “10 less than the quotient of 4 and w .”	$\frac{4}{w} - 10$ or $4 \div w - 10$	6.EE.A.2a
3	Simplify the expression $13d - 6d + 9d + 13$.	$16d + 13$	6.EE.A.3
4	Simplify the expression $8p - 9q + 5 - p + 2q - 3$.	$7p - 7q + 2$	6.EE.A.3
5	Simplify $5(f + 12)$.	$5f + 60$	6.EE.A.3
6	Simplify $11(m - 6) + 9m$.	$20m - 66$	6.EE.A.3
7	Write the simplified expression for the perimeter of the shape.	$8x + 14$	6.EE.A.3
8	Expand $6(7 - y)$.	$42 - 6y$	6.EE.A.3
9	Expand and simply $9(x + 2) - 12$	$9x + 6$	6.EE.A.3
10	Expand and simplify $3(3 - b) + 8(b + 9)$	$5b + 81$	6.EE.A.3
11	Circle the expression(s) equal to $6a - 2b$. $-2b+6a$ $-6a+2b$ $5a-2b+a$ $4ab$	$-2b + 6a$ $5a - 2b + a$	6.EE.A.4

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Question number	Question	Answers	Standard
12	Circle the expression(s) equal to $-4r + 12$. $12b-4r$ $-3r+12+r$ $8r$ $4r-12$	$12b - 4r$	6.EE.A.4
13	Evaluate $2(h + 16)$ when $h = \frac{1}{2}$	33	6.EE.A.1 6.EE.A.2c 7.EE.A.1
14	Evaluate $45x - 3.4y$ when $x = 5$ and $y = 6$	204.6	6.EE.A.1 6.EE.A.2c 7.EE.A.1
15	Evaluate $a(n - 6)^4$ when $a = 3$ and $n = 9$	243	6.EE.A.1 6.EE.A.2c 7.EE.A.1

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