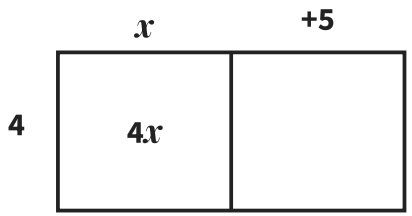
Expanding single brackets

1 multiply every term inside

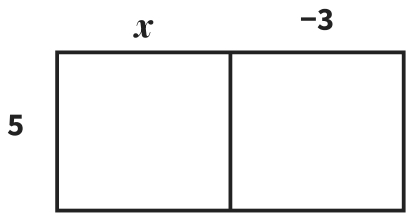
Expand $4(x + 5)$



Answer _____

2

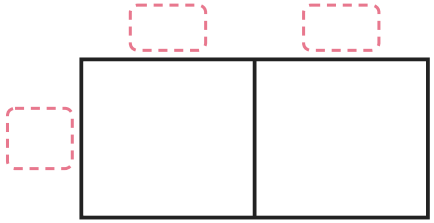
Expand $5(x - 3)$



Answer _____

3

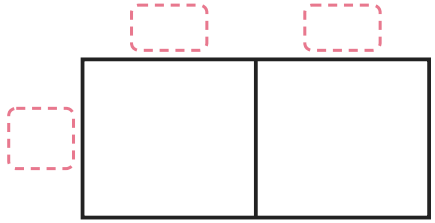
Expand $6(2x + 1)$



Answer _____

4 *Notice the change!*

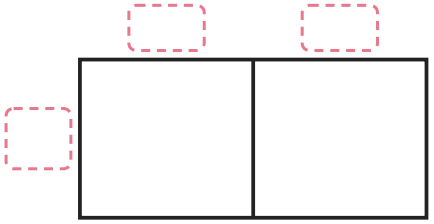
Expand $x(x + 7)$



Answer _____

5 a negative outside

Expand $-3(x + 4)$

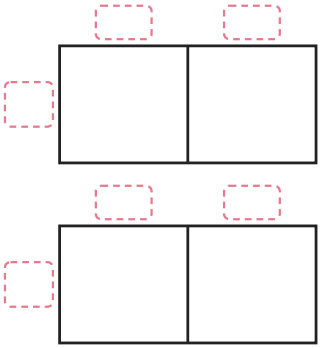


Answer _____

6 collect like terms

Expand and simplify

$5(x + 2) + 3(x - 4)$



_____

Answer _____

7

Leah expands $-4(x - 2)$ and writes $-4x - 8$. Explain her mistake.
Then write the right answer.

_____

Answer _____

8

Three photos sit side by side in a strip.
Each photo is $(2x + 5)$ cm wide.
Write an expression for the length of the strip using a bracket. Then expand it.



$(2x + 5)$ cm $(2x + 5)$ cm $(2x + 5)$ cm

_____

Answer _____

Expanding single brackets *further practice*

9

Expand $7(3x - 2)$

Answer _____

10

Expand $y(4y + 9)$

Answer _____

11

Expand $-5(2a - 3)$

Answer _____

12

Fill in the boxes.

$4(\square + \square) = 12x + 20$

Answer _____

13

A sandwich costs £x and a drink costs £2. Nine people each buy one sandwich and one drink.
Write an expression for the total cost in pounds, using a bracket. Expand it.

Answer _____

14

Expand and simplify

$3(2x + 5) - 2(x + 4)$

Answer _____

15

Write expressions for the area and the perimeter of the rectangle.
Expand any brackets.



Answer _____

16

Show that $4(x + 3) + 2(x - 6)$ is a multiple of 6 for any whole number x.

Answer _____