

Expand and Simplify

Literacy

Unscramble the anagrams and define the words.

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Research



What is the opposite to expanding expressions?

How do you do this?

Use either the claw or the box method to expand expressions. Remember to multiply both terms by the co-efficient.

Expand $3(x + 5)$

Claw \times $3(x + 5) = 3x + 15$

Box

	x	$+5$	
3	$3x$	$+15$	$3x + 15$



Skill 1

Simplify

1) $a + a + a + a - a + a =$

2) $3b + 2b =$

3) $4c + 5d - 2c + 3d =$

4) $7e - 5 + 12 - 3e =$

5) $3f^2 + 2f - f^2 + 4f =$

Skill 2

Expand

1) $2(x + 4) =$

2) $3(y - 6) =$

3) $4(8 - z) =$

4) $x(2x + 4) =$

5) $2y(3 + 5y) =$

Stretch

Expand and Simplify

1) $3(x + 7) + 4(x + 3)$
=
=

2) $2(y - 6) + 5(y + 8)$
=
=

3) $6(z + 8) - 7(z + 5)$
=
=