

Learning Objective 1: To be able to expand single brackets

Learning Objective 2: To expand and simplify expressions involving brackets

Expand the following brackets

$4(x + 3)$	$7(x + 11)$	$8(2x + 3)$
$11(3x + 1)$	$3(x - 7)$	$4(2x - 1)$
$3(7x - 2)$	$4(x + y)$	$4(2x - 3y)$

Expand the following brackets

$x(x + 5)$	$x(x - 6)$	$x(3x + 5)$
$2x(x + 7)$	$3x(2x - 8)$	$x^2(x + 7)$

Expand and simplify the following expressions

$5 + 3(x + 2)$	$7 + 3(2x + 11)$	$5 + 3(x - 2)$
$11 + 3(2x - 4)$	$7 - 3(x + 2)$	$11 - 2(5x + 14)$
$20 - 3(2x - 9)$	$5 - 2(10 - 7x)$	$4 + 3(x - 5) + 7x$

Extension: Try to think of as many questions as you can for each of the following ANSWERS. Be as imaginative as possible.

$$5x + 11$$

$$20x - 16$$

$$3x + 29$$

$$12x - 77$$

$$4 - 11x$$