

# Forming Expressions

I can draw and write algebraic expressions.



1. Draw representations of the expressions in these formulae.

$2a + 12 = b$	$3a + 10 = b$	$2(a + 5) = b$

2. Write the expressions to complete these formulae.

multiply <b>a</b> by 4 and add 20		= b
multiply <b>a</b> by 3 and subtract 5		= b
add 12 to <b>a</b> then multiply by 2		= b
find 3 less than <b>a</b> then multiply by 5		= b

3. Find the value of **b** in these formulae if **a** = 15.

$2a + 16 = b$	$b =$
$3a - 7 = b$	$b =$
$6(a + 10) = b$	$b =$
$3(a - 4) = b$	$b =$

# Forming Expressions Answers

1. Draw representations of the expressions in these formulae.

$2a + 12 = b$	$3a + 10 = b$	$2(a + 5) = b$
<b>Multiple answers possible.</b>	<b>Multiple answers possible.</b>	<b>Multiple answers possible.</b>

2. Write the expressions to complete these formulae.

multiply <b>a</b> by 4 and add 20	$4a + 20$	$= b$
multiply <b>a</b> by 3 and subtract 5	$3a - 5$	$= b$
add 12 to <b>a</b> then multiply by 2	$2(a + 12)$	$= b$
find 3 less than <b>a</b> then multiply by 5	$5(a - 3)$	$= b$

3. Find the value of **b** in these formulae if **a** = 15.

$2a + 16 = b$	$b = 46$
$3a - 7 = b$	$b = 38$
$6(a + 10) = b$	$b = 150$
$3(a - 4) = b$	$b = 33$