## Varied Fluency <br> Step 3: Forming Expressions

## National Curriculum Objectives:

Mathematics Year 6: (6A1) Express missing number problems algebraically

## Differentiation:

Developing Questions to support creating simple algebraic expressions using addition and multiplication. Pictorial support given for some questions.
Expected Questions to support creating simple algebraic expressions, using all four operations. Pictorial support given for some questions.
Greater Depth Questions to support creating simple algebraic expressions using all four operations and decimals. No pictorial support given.

## More Year 6 Algebra resources.

Did you like this resource? Don't forget to review it on our website.
la．Use the pictures to help you form the expression．

b

aa．Circle the function machine that does not show the correct expression．


Ba．Find the missing functions．

lb．Use the pictures to help you form the expression．


Db．Circle the function machine that does not show the correct expression．


## 吅

Bb．Find the missing functions．


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4a. Form the expressions from the given inputs.


5a. Circle the function machine that does not show the correct expression.


6a. Find the missing functions.


4b. Form the expressions from the given inputs.


5b. Circle the function machine that does not show the correct expression.


6b. Find the missing functions.


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7a. Find the outputs and form the expression.


8a. Circle the function machine that does not show the correct expression.


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Varied Fluency
Forming Expressions

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 Forming Expressions
## Developing

1a. $a+3, b+3$
2a. $r$
3a. + 3; $\times 2$
Expected
4a. $a+6, b+6$ ( 1 square and 6 circles)
5a. $s$
6a. $\times 4, \div 3$

## Greater Depth

7a. $2 a-5, b+4-5$
8a.e
9a. $\times 2.5, \div 8$
x 7, - 6.3

## Developing

1b. $2 x, 2 y$
2b. $c$
3b. $\times 5$; +4

## Expected

4b. $3 x$, $3 y$ ( 3 triangles)
5b. $c$
6b. $-5, \times 2$
Greater Depth
7b. $6 x-3 \div 4,8 y \div 4$
8b. $i$
9b. x 6, + 7.1
x 0.25, x 5

