

Introduction to Algebraic Notation

Name: _____

Date: _____



Remember:

- Write the number (coefficient) before the letter: $3 \times a = 3a$
- Don't write the multiplication sign between a number and letter: $4b$ not $4 \times b$
- When the coefficient is 1, we don't write it: x not $1x$

Part A: Simplify these expressions

Write each expression using correct algebraic notation.

1. $5 \times y =$ _____

2. $a \times 7 =$ _____

3. $1 \times m =$ _____

4. $9 \times p =$ _____

5. $x \times 6 =$ _____

6. $8 \times n =$ _____

7. $b \times 3 =$ _____

8. $1 \times k =$ _____

Part B: Write in algebraic form

Write each statement using algebraic notation.

1. Four multiplied by $t =$ _____

2. The product of 6 and $h =$ _____

3. Seven times $c =$ _____

4. d multiplied by 2 = _____

5. Twelve lots of $w =$ _____

6. g times 5 = _____

Part C: True or False?

Circle whether each statement is correct.

1. $3 \times x$ can be written as $3x$	TRUE / FALSE
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2. $m \times 5$ should be written as $m5$	TRUE / FALSE
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3. $1 \times y$ is the same as y	TRUE / FALSE
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4. $a \times 4 = 4a$	TRUE / FALSE
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5. We should write $8k$ as $k8$	TRUE / FALSE
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Part D: Challenge

Write these more complex expressions using correct algebraic notation.

1. $2 \times a + 3 \times a =$ _____

2. $5 \times x - 1 \times x =$ _____

3. $4 \times b + 6 =$ _____

4. $7 \times m - 2 =$ _____