

Introduction to Algebraic Expressions

Name: _____

Date: _____

An algebraic expression uses letters (like x , n , or a) to represent unknown numbers. For example, "5 more than a number" can be written as $n + 5$.

Part A: Write the algebraic expression

Use the letter n to represent the unknown number.

1. 7 more than a number _____
2. A number minus 4 _____
3. A number multiplied by 6 _____
4. 12 divided by a number _____
5. A number plus 15 _____
6. 10 less than a number _____

Part B: Real-world expressions

Write an algebraic expression for each situation. Use the letter shown in brackets.

7. Sarah has some marbles. Her friend gives her 8 more. (m)

8. A packet of biscuits costs \$3. How much do some packets cost? (p)

9. Tom had some stickers and gave away 5 to his brother. (s)

10. A box contains some chocolates shared equally among 4 children. (c)

Part C: Write the word problem

Write a word problem or sentence to match each expression.

11. $x + 9$

12. $20 - y$
