



YEAR 7

Introduction to Algebra

Algebra is just arithmetic with letters standing in for numbers. Collect like terms, expand carefully, and substitute exactly as written.

Name: _____ Date: _____ Score: _____

Section A · Simplifying

Collect like terms.

1 $3a + 5a$

2 $7b - 2b$

3 $4x + 3y + 2x$

4 $5m + 2 + 3m + 7$

5 $10p - 4p + p$

Section B · Expanding brackets

Multiply every term inside the bracket.

1 $3(x + 4)$

2 $5(2y - 1)$

3 $2(3a + 4)$

4 $4(x - 6)$

Section C · Substitution

Use $x = 4$ and $y = 3$ throughout.

1 $2x + 5$

2 $3y - 2$

3 xy

4 $x^2 + y$

5 $5(x - y)$
