

**ALGEBRA: EXPANDING BRACKETS & SIMPLIFYING****Best Guess Mastery Worksheet (Target Grade 4/5)****I Do**

Expand and simplify  $2p(4p - 3) - p(p - 4)$

**We Do**

Expand and simplify  $3x(2x + 5) - x(x - 2)$

**You Do 1**

Expand and simplify  $5m(3m - 2) - 2m(m - 3)$

**You Do 2**

Expand and simplify  $4y(y + 3) - 3y(2y - 1)$

**ALGEBRA: EXPANDING BRACKETS & SIMPLIFYING****Best Guess Mastery Worksheet (Target Grade 4/5)****Challenge 1**

Expand and simplify  $3(x + 4) + 2(2x - 5)$

**Challenge 2**

Expand and simplify  $5(2a - 1) - 3(a + 4)$

**Challenge 3**

Expand and simplify  $(x + 3)(x + 5)$

**Challenge 4**

Expand and simplify  $(y - 2)(y + 7)$

## **Answers & Worked Solutions**

### **I Do:**

Expand:  $8p^2 - 6p - p^2 + 4p$

Group like terms:  $(8p^2 - p^2) + (-6p + 4p) = 7p^2 - 2p$

### **We Do:**

Expand:  $6x^2 + 15x - x^2 + 2x$

Group like terms:  $(6x^2 - x^2) + (15x + 2x) = 5x^2 + 17x$

### **You Do 1:**

Expand:  $15m^2 - 10m - 2m^2 + 6m$

Group like terms:  $(15m^2 - 2m^2) + (-10m + 6m) = 13m^2 - 4m$

### **You Do 2:**

Expand:  $4y^2 + 12y - 6y^2 + 3y$

Group like terms:  $(4y^2 - 6y^2) + (12y + 3y) = -2y^2 + 15y$

### **Challenge 1:**

Expand:  $3x + 12 + 4x - 10$

Group like terms:  $(3x + 4x) + (12 - 10) = 7x + 2$

### **Challenge 2:**

Expand:  $10a - 5 - 3a - 12$

Group like terms:  $(10a - 3a) + (-5 - 12) = 7a - 17$

### **Challenge 3:**

Expand:  $x^2 + 5x + 3x + 15$

Simplify:  $x^2 + 8x + 15$

### **Challenge 4:**

Expand:  $y^2 + 7y - 2y - 14$

Simplify:  $y^2 + 5y - 14$