

### Literacy

Explain  
 "SIMPLIFY"  
 "SUBSTITUTION"  
 "FACTORISE"

### Research

Can you find how  
 to multiply out  
 $(m+3)^2$

### Memory

$$3a(5 - 2a)$$

$$\underline{15a - 6a^2}$$

## GETTING IT.

$$2a(c - 3)$$

$$9k(2 + d)$$

$$-4a(8x - 3)$$

$$m(m^2 + 3)$$

$$4a(2a^2 - 3)$$

$$3w^2(7 + 2w^2)$$

Expand these brackets  
 with some method

## Factorise that

Factorise these

$$2x + 6$$

$$4f - 10$$

$$xy + 3x$$

$$x^2 - 2x$$

$$3xy + 6x$$

$$16p^3q - 15p^2q$$

$$14a^2b - 21ab^2$$

$$6u^3v^4 + 2uv^2$$

$$12d^3e^2 - 3e$$

## GETTING IT.

## NAILED IT

$$(r + 2)(r + 7)$$

$$(d + 8)(d + 2)$$

$$(b + 4)(b - 1)$$

$$(h + 7)(h - 9)$$

$$(f - 5)(f + 2)$$

Expand these  
 quadratic  
 brackets with  
 some method

### Memory

$$p \times p \quad p \times -7$$

$$(p + 3)(p - 7)$$

$$+3 \times p \quad +3 \times -7$$

$$= p^2 - 7p + 3p - 21$$

$$= p^2 - 4p - 21$$