

Literacy

Explain
“SIMPLIFY”
“SUBSTITUTION”
“FACTORISE”
“QUADRATIC”

Research

What is the
difference of 2
squares?

Memory

$$\begin{array}{ccc} p \times p & & p \times -7 \\ & \text{---} & \\ (p + 3) & (p - 7) & \\ & \text{---} & \\ +3 \times p & & +3 \times -7 \\ & \text{---} & \\ = p^2 - 7p + 3p - 21 & & \\ = p^2 - 4p - 21 & & \end{array}$$

GETTING IT

Factorise these

$$2x + 6$$

$$4f - 10$$

$$xy + 3x$$

$$x^2 - 2x$$

$$3xy + 6x$$

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

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

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

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

GOT 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

$$(2y + 2)(y + 6)$$

$$(4y + 2)(2y + 4)$$

$$(4f + 7)(2f - 2)$$

$$(4h + 3)(2h - 4)$$

QUADRATIC BRACKETS

NAILED IT

Expand these brackets with method

$$(x - 2)(x + 2)$$

$$(t + 2)^2$$

$$(t - 4)(t + 4)$$

$$(3t + 5)^2$$

$$(r + 3)(r - 3)$$

$$(y - 5)^2$$