Timester Challenge
Working with Algebra

Simplify $3a + 5b + 8a - 2b$

Bronze ⭐

Expand $4(x - 7)$

Silver ⭐

Write this expression in it's simplest factorised form.

$$4(7x + 12) - 2(5x - 3)$$

Substitue $a = 4$ and $b = -2$ into $6a + 7b$.

Bronze ⭐

Factorise $24x + 32$

Silver ⭐

Gold ⭐

Timester Challenge
Working with Algebra
Answers

Simplify $3a + 5b + 8a - 2b$

$11a + 3b$

Bronze ⭐

Expand $4(x - 7)$

$= 4x - 28$

Silver ⭐

Write this expression in it's simplest factorised form.

$4(7x + 12) - 2(5x - 3)$

$= 28x + 48 - 10x + 6$
$= 18x + 54$
$= 9(2x + 6)$
$= 18(x + 3)$

Substitue $a = 4$ and $b = -2$ into $6a + 7b$.

$= 6 \times 4 + 7 \times -2$
$= 24 - 14$
$= 10$

Bronze ⭐

Factorise $24x + 32$

$= 8(3x + 4)$

Silver ⭐

Gold ⭐