

Timester Challenge Working with Algebra



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

Expand 4(x - 7)

Write this expression in it's simplest factorised form.

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



Bronze

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



Factorise 24x + 32







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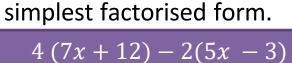
Answers

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

$$11a + 3b$$



$$= 4x - 28$$



Write this expression in it's

$$= 28x + 48 - 10x + 6$$

$$= 18x + 54$$

$$=9(2x+6)$$

$$= 18(x + 3)$$



Bronze

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

$$= 6 \times 4 + 7 \times -2$$

$$= 24 - 14$$

= 10



$$=8(3x+4)$$



Silver



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