

ACTION

Revision Material



<http://corbettmaths.com/contents/>
Video 119 & 120

RESPONSE

Factorise the quadratic expressions:

Fluency



1) $2x^2 + 4x + 3$

4) $25x^2 - 1$

7) $12x^2 - x - 1$

2) $3x^2 + 5x + 2$

5) $100x^2 - 81$

8) $a^2x^2 - 16b^2$

3) $7x^2 + 24x + 20$

6) $6x^2 - 13x - 5$

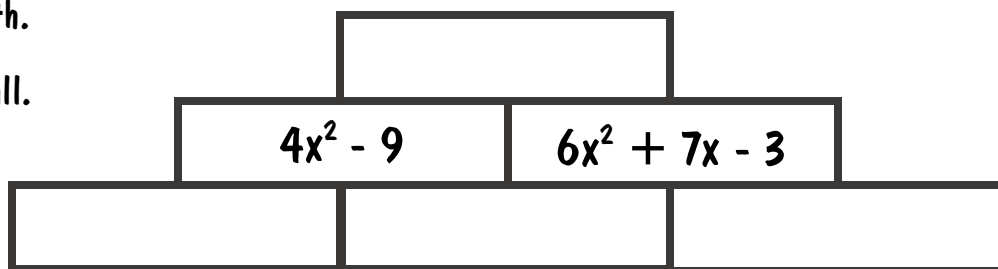
9) $10x^2 + 23x + 12$

Reasoning



The expression in each brick is found by multiplying together the two terms in the bricks underneath.

Complete the wall.

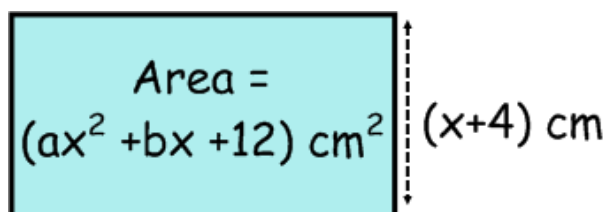


Problem Solving



a) Work out the value of a , and b , where a is one fifth the value of b .

b) If the area of the rectangle is 54cm^2 , find the value of x .



Hint: factorise the bracket from the missing side to remove the coefficient of x



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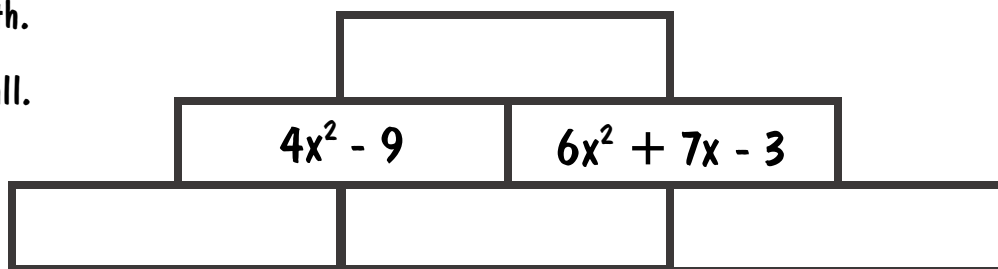
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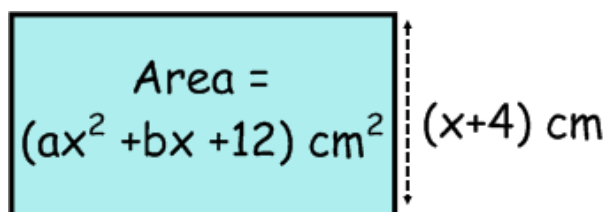


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