

Express 68 as a product of its prime factors

The pattern shows a fence design:



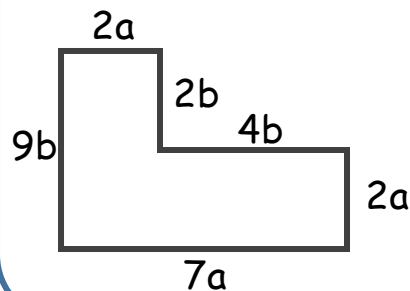
a) How many panels will be in the 24th pattern?

SIMPLIFY:

A) P^0

B) $\frac{P^6 \times P^0}{P^3}$

Find the perimeter in terms of a and b.



There are 6 green buttons in a pack, 12 blue buttons in a pack, and 9 red buttons in a pack. How many packs of each must I buy if I want the same amount of each colour?

Expand:

a) $(2x + 3)(3x + 2)$

Factorise:

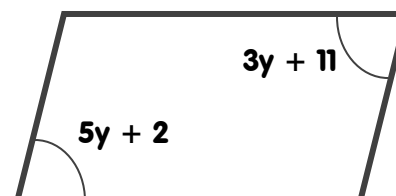
b) $(12x + 36)$

Tickets cost £25.50 to a music gig. The band sells 249 tickets and the venue costs them £3750. Estimate how much profit they will earn.

Solve: $12x - 10 = 7x + 5$

Calculate 2.47×2.9

Find the value of y



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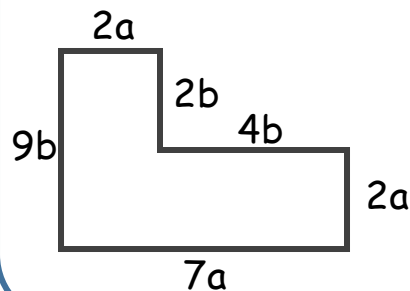
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