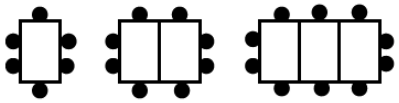
9

Top Ten Topics

ACCESS MATHS

Express 66 as a product of its prime factors

The pattern shows customers around tables:



a) How many customers will be in the 19th pattern?

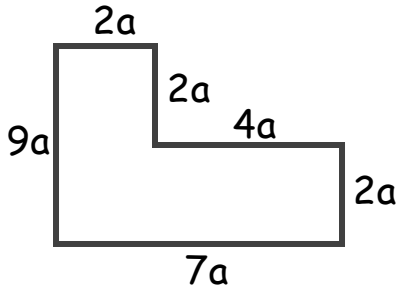
SIMPLIFY:

A) $7 \times p^0$

B) $\frac{6p^6 \times p^2}{2p^3}$

a) Express the perimeter in terms of a.

b) If the perimeter is 52cm. Find the value of a.



There are 5 green buttons in a pack, 12 blue buttons in a pack, and 6 red buttons in a pack. How many packs of each must I buy if I want the same amount of each colour?

Expand:

a) (3x + 2)(4x + 1)

Factorise:

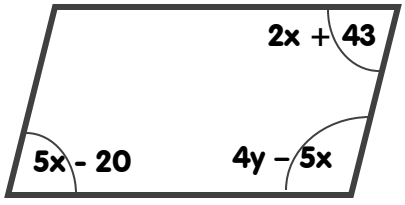
b) (20x + 15)

Tickets cost £24.50 to a music gig. The band sells 251 tickets and the venue costs them £3495. Estimate how much profit they will earn.

Solve: $15x - 12 = 9x + 6$

Calculate 3.12 x 2.3

Find the value of x and y



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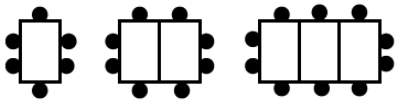

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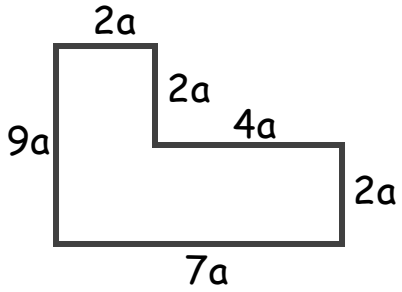

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