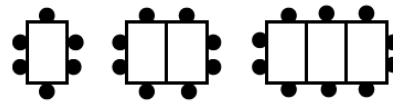


Express 245 as a product of prime factors

The pattern shows guests around dining tables:



a) How many guest will be sat around the 35th table in the pattern?

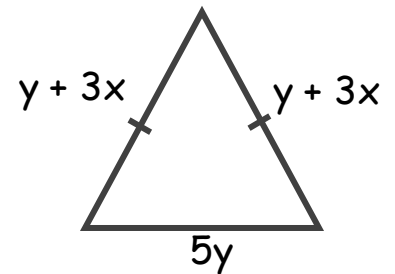
SIMPLIFY:

A) $(3P^2)^3$

B) 9^{-2}

a) Express the perimeter in terms of x and y .

b) If the perimeter is 59cm. Find the value of x when $y = 5$.



Find the Highest Common Factor (HCF) of 28 and 98

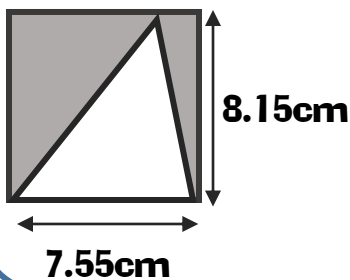
Expand:

a) $(x - 5)(2x - 3)$

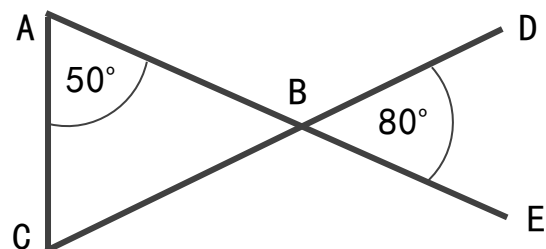
Factorise:

b) $(14y^2 + 21xy)$

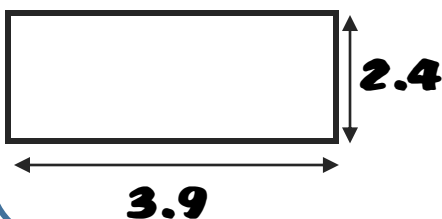
Estimate the area of the shaded section.



ABE and CBD are straight lines. Show ABC is an isosceles triangle



A tin of paint covers $3m^2$ of flooring and costs £15. Work out how much will need spending to cover the floor.

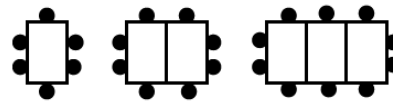


Find the value of x and y



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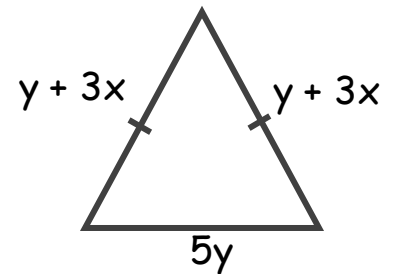
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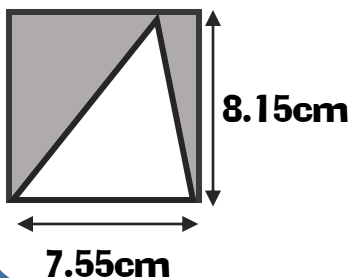
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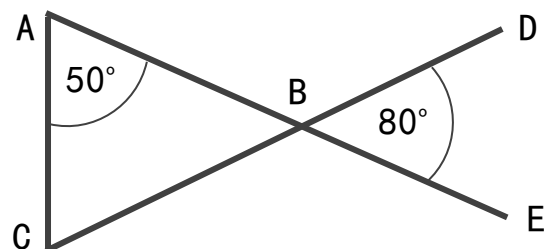
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