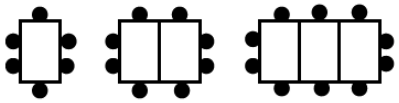
Top Ten Topics

Express 255 as a product of prime factors

The pattern shows guests around dining tables:



a) Which pattern number will have 100 guests sat around it?

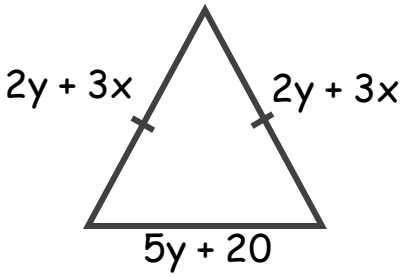
SIMPLIFY:

A) $(2p^2)^5$

B) 5^{-3}

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

b) If the perimeter is 68cm. Find the value of y when x = 5.



Find the Highest Common Factor (HCF) of 39 and 91

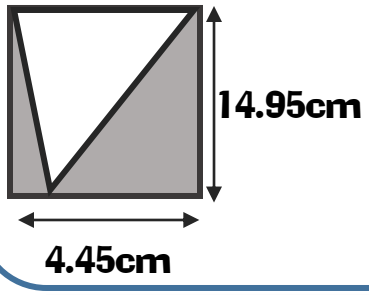
Expand:

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

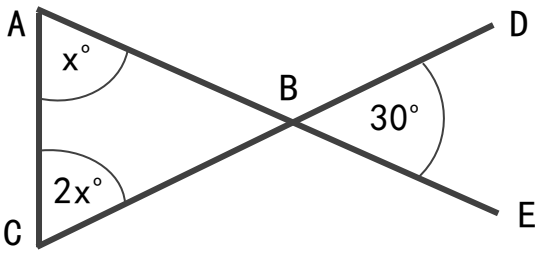
Factorise:

b) $(16x^2 - 24xy)$

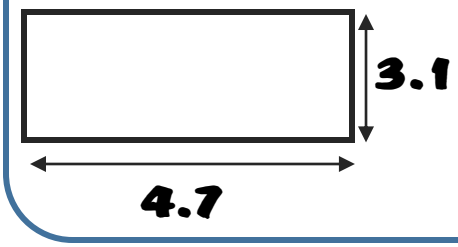
Estimate the area of the shaded section.



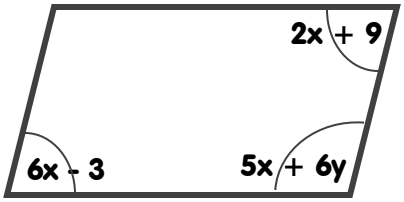
ABE and CBD are straight lines. Prove that one angle in ABC is obtuse.



A tin of paint covers $3m^2$ of flooring and costs £20. Work out how much will need spending to cover the floor.



Find the value of x and y



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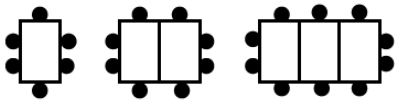

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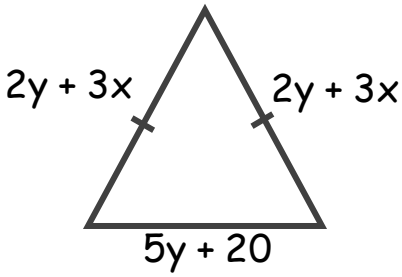

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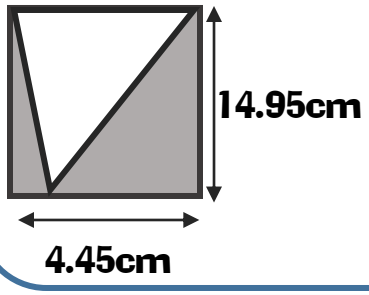

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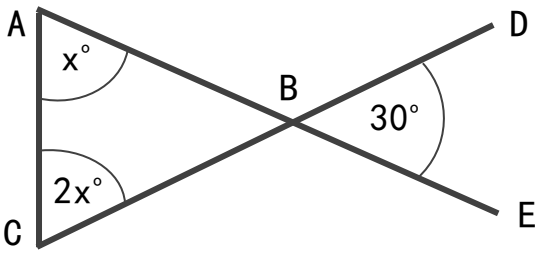

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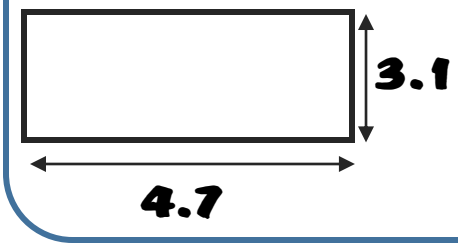

Find the value of x and y