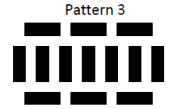
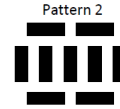


Express 198 as a product of prime factors

The pattern shows a sequence made from bricks:



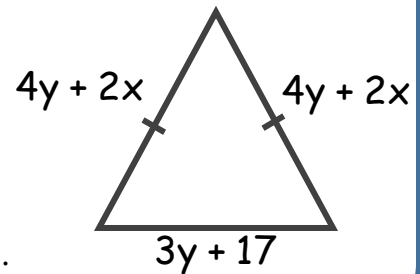
a) Which pattern number will have 77 bricks?

SIMPLIFY:

A) $(4P^4)^2$

B) 2^{-4}

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 35 and 91

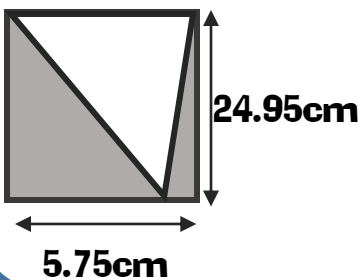
Expand:

a) $(2x + 4)(2x + 5)$

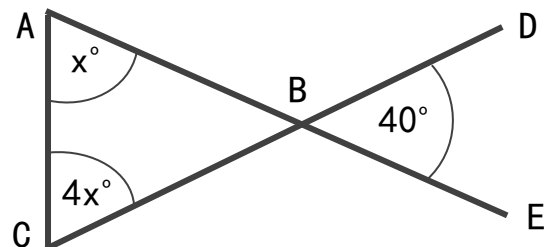
Factorise:

b) $x^2 + 8x + 15$

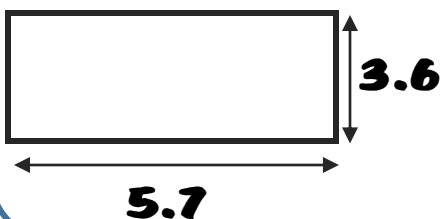
Estimate the area of the shaded section.



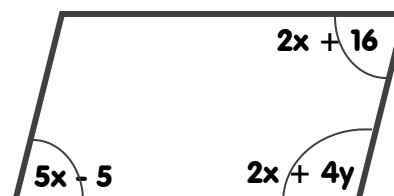
ABE and CBD are straight lines. Prove that one angle in ABC is obtuse.



A tin of paint covers 4m^2 of flooring and costs £18. Work out how much will need spending to cover the floor.

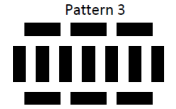
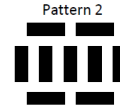


Find the value of x and y



Express 198 as a product of prime factors

The pattern shows a sequence made from bricks:



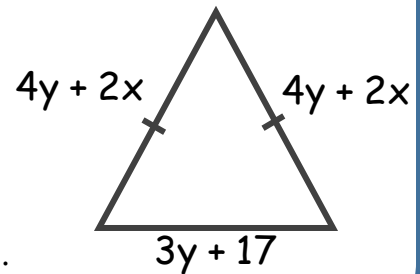
a) Which pattern number will have 77 bricks?

SIMPLIFY:

A) $(4P^4)^2$

B) 2^{-4}

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 35 and 91

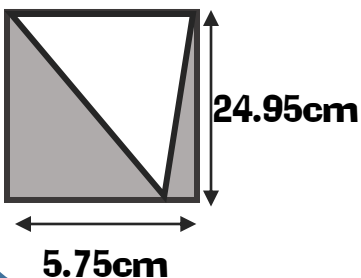
Expand:

a) $(2x + 4)(2x + 5)$

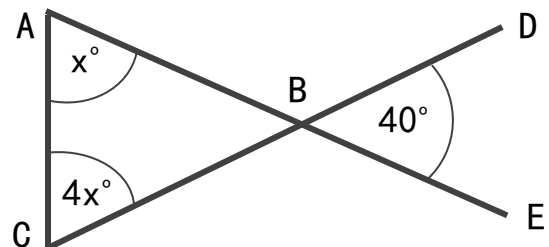
Factorise:

b) $x^2 + 8x + 15$

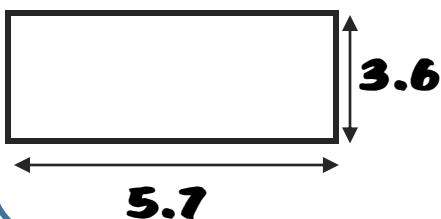
Estimate the area of the shaded section.



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



A tin of paint covers 4m^2 of flooring and costs £18. Work out how much will need spending to cover the floor.



Find the value of x and y

