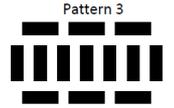
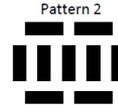


Express 135 as a product of prime factors in the form $2^a \times 3^b \times 5^c \times 7^d$. What are the values a, b, c and d?

Here is a pattern made from bricks:



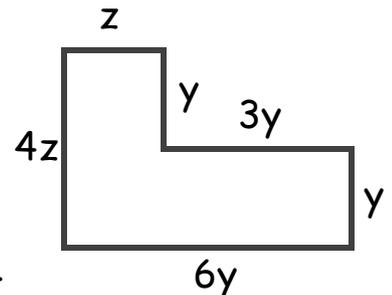
- What is the nth term?
- Which pattern will have 49 bricks?

SIMPLIFY:

A) $(3P^4)^2$

B) P^{-2}

- Express the perimeter in terms of y and z.



- If the perimeter is 21cm. Find the value of z when $y = 1$.

Two alarms go off at 6:50am. One rings every 4 minutes and the other rings every 6 minutes. When will they both ring at the same time?

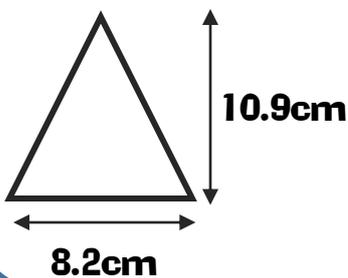
Expand:

a) $(3y + 4)^2$

Factorise:

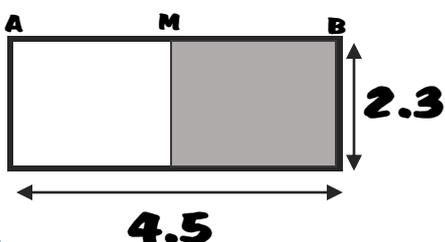
b) $(18b^2 + 15b)$

Estimate the area of the following triangle.

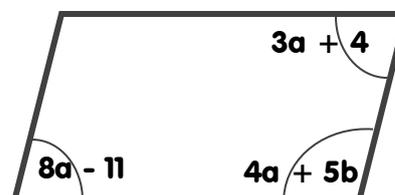


Solve: $14x - 5 = 6x - 1$

Calculate the area of the shaded section. M is the midpoint of line AB.

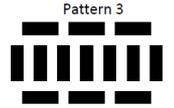
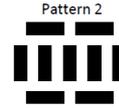


Find the value of a and b



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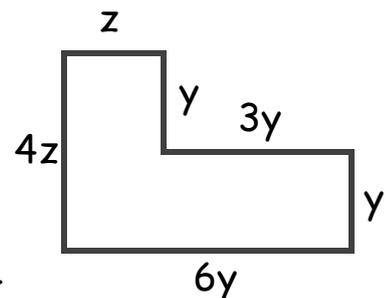
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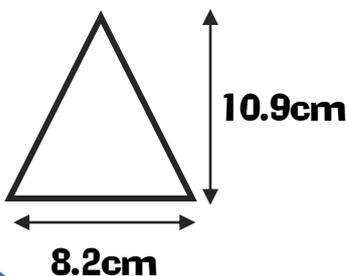
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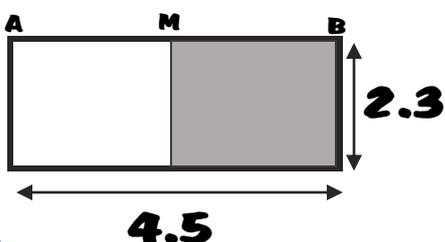
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Estimate the area of the following triangle.



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Calculate the area of the shaded section. M is the midpoint of line AB.



Find the value of a and b

