

ACCESS MATHS



LEVEL 1



LEVEL 2

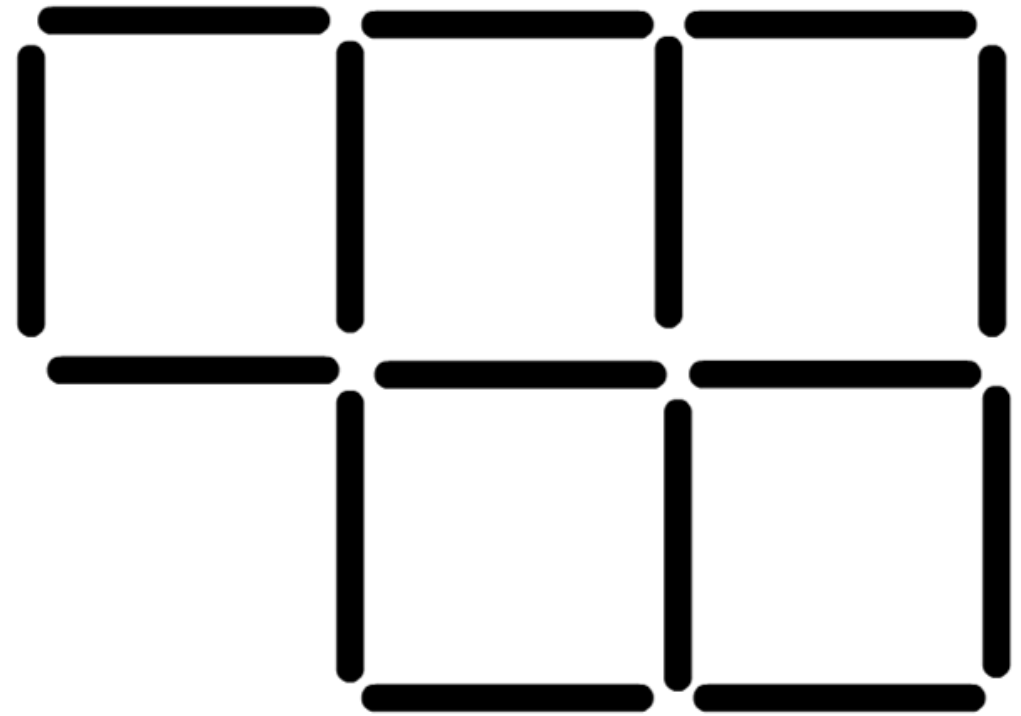
NUMERACY CHALLENGE

Christmas Trivia

25 Million

What is the
question?

Remove 3 lines to leave 3 squares



LEVEL 1

NUMERACY CHALLENGE

Christmas Trivia

6 Million

What is the
question?

The area of two different rectangles is each 72 square centimetres.

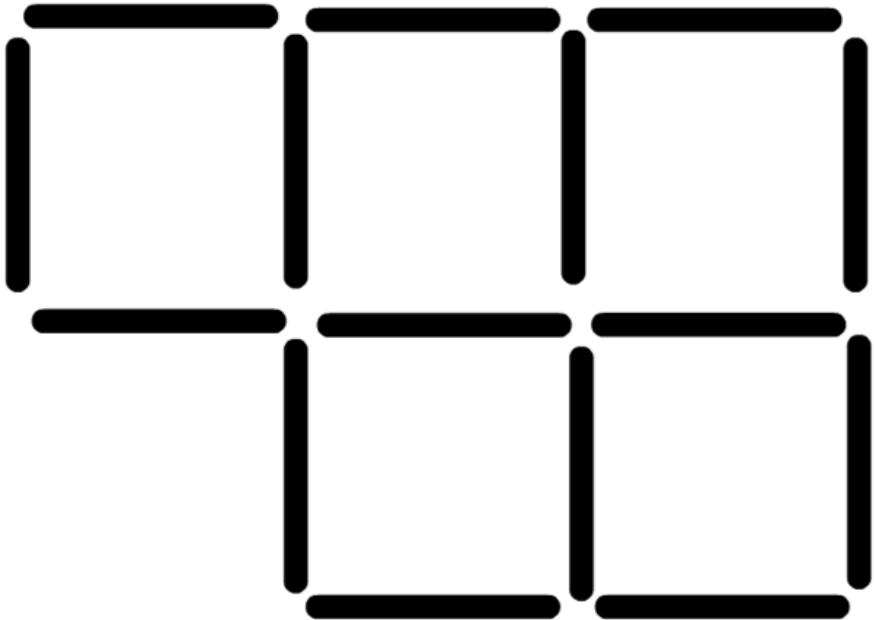
The length of the second rectangle is 5 cm greater than the length of the first rectangle while its width is 15 cm less than the width of the first.

Find the difference of the perimeters of the two rectangles.

LEVEL 2

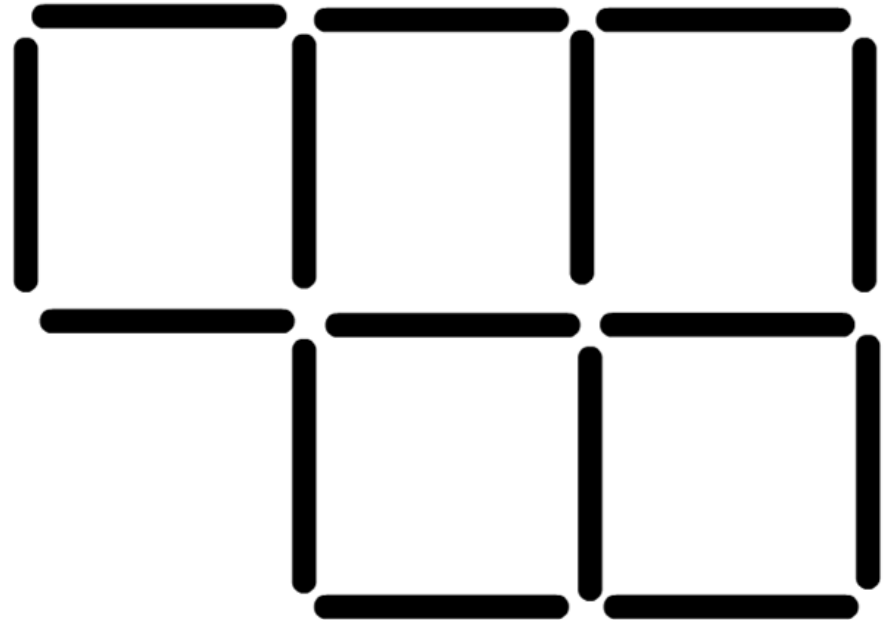
NUMERACY CHALLENGE LEVEL 1

Remove 3 lines to leave 3 squares



NUMERACY CHALLENGE LEVEL 1

Remove 3 lines to leave 3 squares

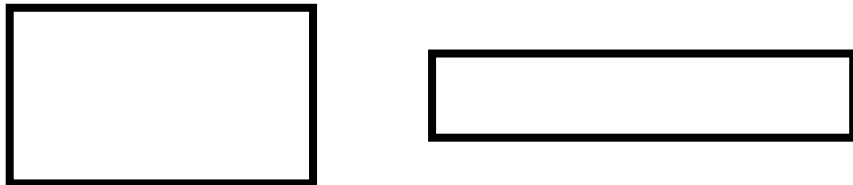


NUMERACY CHALLENGE LEVEL 2

The area of two different rectangles is each 72 square centimetres.

The length of the second rectangle is 5 cm greater than the length of the first rectangle while its width is 15 cm less than the width of the first.

Find the difference of the perimeters of the two rectangles.

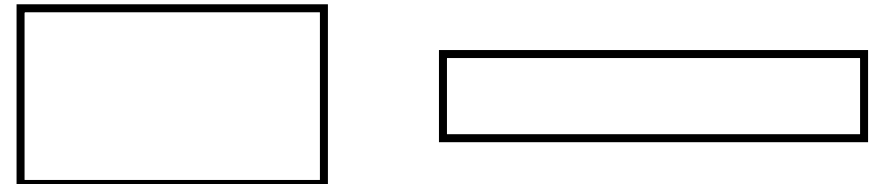


NUMERACY CHALLENGE LEVEL 2

The area of two different rectangles is each 72 square centimetres.

The length of the second rectangle is 5 cm greater than the length of the first rectangle while its width is 15 cm less than the width of the first.

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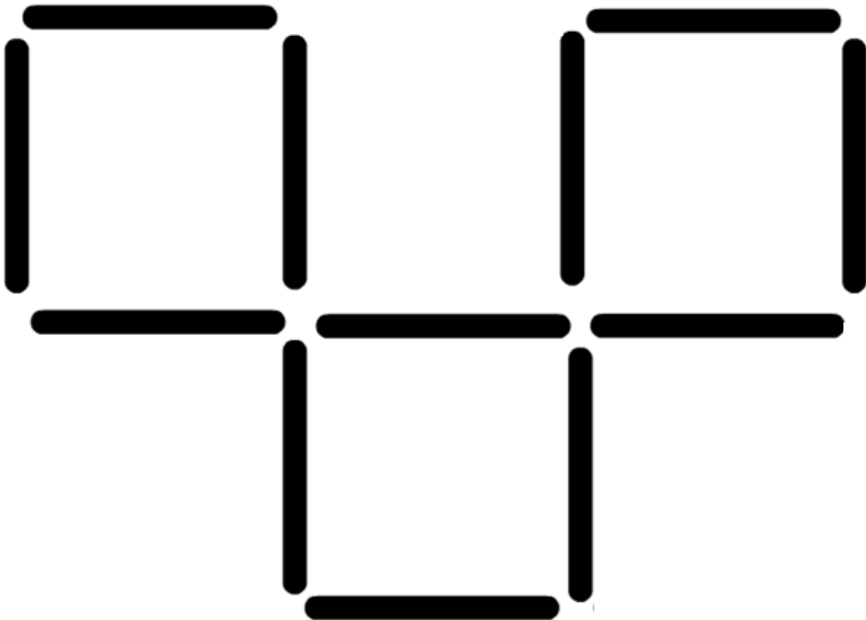


LEVEL 1

Answer:

Remove the middle top (horizontal) line, and the two lines that are closest to the bottom right corner (one vertical, one horizontal.)

Remove 3 lines to leave 3 squares



LEVEL 2



The rectangles are 3×24 and 8×9 , so the difference in perimeters is 20.

Possible rectangles that could have an area of 72cm^2

- 1) 1×72
- 2) 2×36
- 3) 3×24
- 4) 4×18
- 5) 6×12
- 6) 8×9

Only the two highlighter options meet the criteria.

The perimeter of option 3 is $(3+3+24+24) = 54\text{cm}$

The perimeter of option 6 is $(8+8+9+9) = 34\text{cm}$

$$54 - 34 = 20\text{cm}$$

LEVEL 1

Christmas Trivia

What is the
question?

25 Million

How many Christmas puddings do we eat in the UK every year?

LEVEL 2

Christmas Trivia

What is the
question?

6 Million

How many rolls of sellotape are sold in the UK in the run up to Christmas every year?