

Perimeter of a Rectangle

1a. Ava has drawn a rectangle with a perimeter of 18cm, but a paint splat has covered the measurement of each side.



What could the measurements of each side be in cm?



PS

Perimeter of a Rectangle

1b. Logan has drawn a rectangle with a perimeter of 24cm, but a paint splat has covered the measurement of each side.

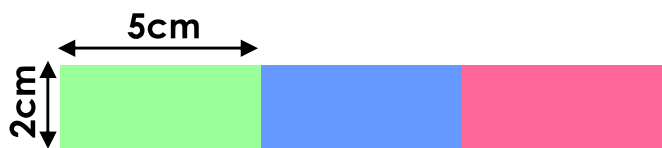


What could the measurements of each side be in mm?



PS

2a. Here are some toy bricks lined up on the floor. One brick has a length of 5cm and a width of 2cm.



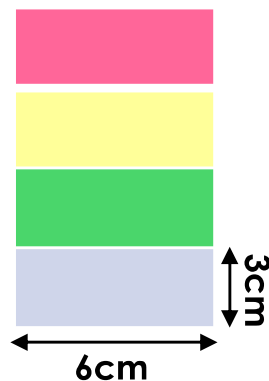
Calculate the perimeter of the line of bricks.



not to scale

PS

2b. Here is a tower of toy bricks. One brick has a length of 6cm and a width of 3cm.



Calculate the perimeter of the tower.



not to scale

PS

3a. Gus says,



If my rectangle has one side of 11cm, then the opposite side must also be 11cm.

Is Gus correct? Prove it.



R

3b. Muna says,



I worked out the perimeter of my shape and all the sides were equal in length. My shape is a rectangle.

Is Muna correct? Prove it.



R

Perimeter of a Rectangle

4a. Lola has drawn a rectangle with a perimeter of 240mm, but a paint splat has covered the measurement of each side.



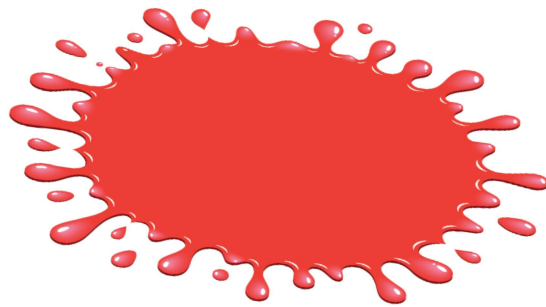
What could the measurements of each side be in mm?



PS

Perimeter of a Rectangle

4b. Henry has drawn a rectangle with a perimeter of 44cm, but a paint splat has covered the measurement of each side.

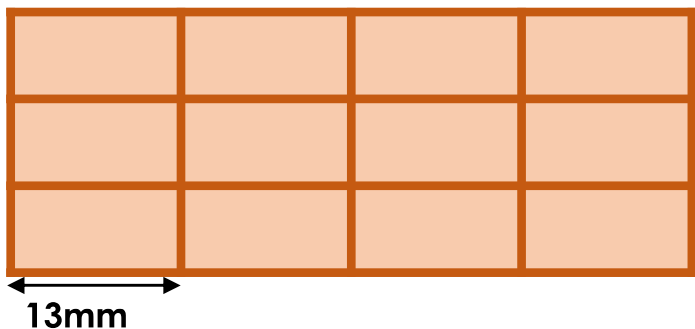


What could the measurements of each side be in cm?



PS

5a. This wall is made up of bricks. Each brick has a length of 13mm and a total perimeter of 36mm.



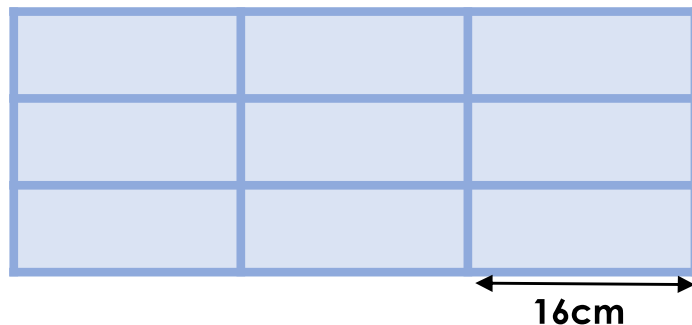
Calculate the perimeter of the whole wall.



not to scale

PS

5b. This wall is made up of stones. Each stone has a length of 16cm and a total perimeter of 42cm.



Calculate the perimeter of the whole wall.



not to scale

PS

6a. Ralph says,



If a shape has a perimeter of 31cm, then it cannot be a rectangle.

Is Ralph correct? Prove it.



R

6b. Ilona says,



If a rectangle has sides which are all odd numbers, the answer will be an odd number too.

Is Ilona correct? Prove it.



R

Perimeter of a Rectangle

7a. Orla has drawn a rectangle with a perimeter of 240mm, but a paint splat has covered the measurement of each side.



What could the measurements of each side be in cm?
Find 3 different solutions.



PS

Perimeter of a Rectangle

7b. Sam has drawn a rectangle with a perimeter of 360mm, but a paint splat has covered the measurement of each side.

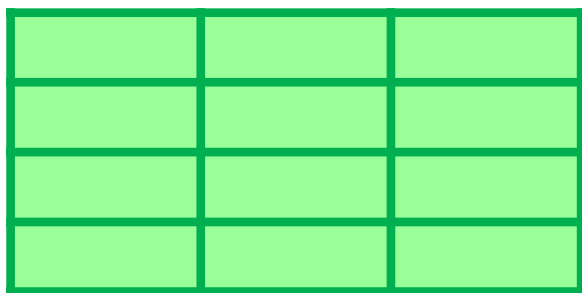


What could the measurements of each side be in mm?
Find 3 different solutions.



PS

8a. This floor is made up of tiles. The total perimeter of one tile is 180mm. The width of each tile is half the length.



Calculate the perimeter of the floor in cm.



not to scale

PS

8b. This floor is made up of wooden floorboards. The total perimeter of one floorboard is 240mm. The length of each floorboard is double the width.



Calculate the perimeter of the floor in cm.



not to scale

PS

9a. Elodie says,



The perimeter of a rectangle will always be an even number.

Is Elodie correct? Prove it.



R

9b. Spencer says,



If a rectangle has two sides which are odd numbers, then the perimeter will also be an odd number.

Is Spencer correct? Prove it.



R