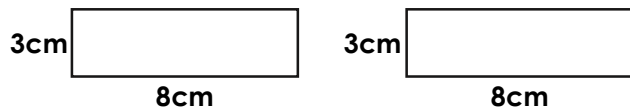


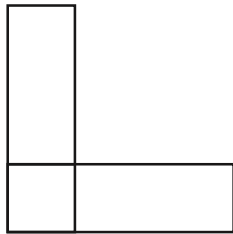
Area and Perimeter

1a. Eddie draws two equal rectangles.



He puts them together to make a new shape.

What is the area and perimeter of the new shape?

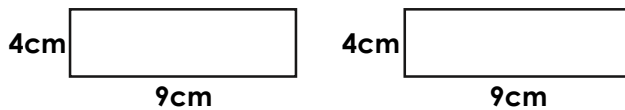


Not to scale

PS

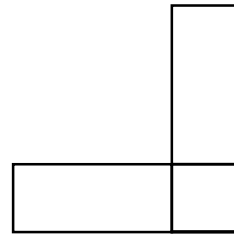
Area and Perimeter

1b. Sadie draws two equal rectangles.



She puts them together to make a new shape.

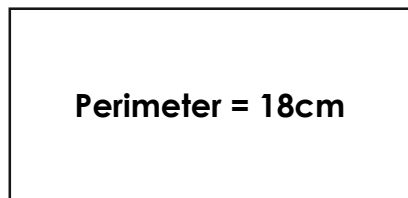
What is the area and perimeter of the new shape?



Not to scale

PS

2a. A shape has a perimeter of 18cm.



What is the largest area the shape could have?

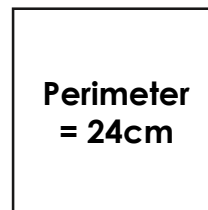
What is the smallest area the shape could have?



Not to scale

PS

2b. A shape has a perimeter of 24cm.



What is the largest area the shape could have?

What is the smallest area the shape could have?



Not to scale

PS

3a. Rosa says,



Squares have the same area and perimeter because you multiply by 4.

Do you agree? Prove it.



R

3b. Jacob says,



Rectangles have the same area and perimeter because you just multiply the length by width.

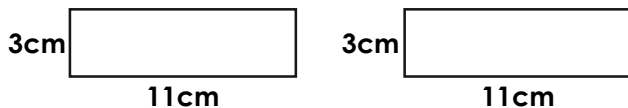
Do you agree? Prove it.



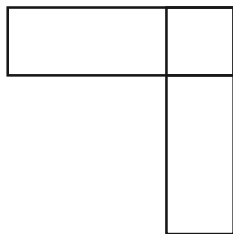
R

Area and Perimeter

4a. Freddy draws two equal rectangles.



He puts them together to make a new shape.



Using the correct formulae, find the area and perimeter of the new shape.

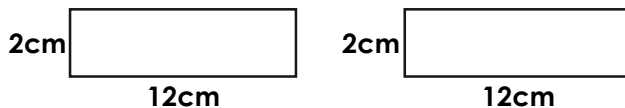


Not to scale

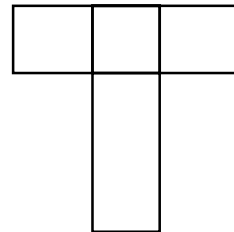
PS

Area and Perimeter

4b. Hayley draws two equal rectangles.



She puts them together to make a new shape.



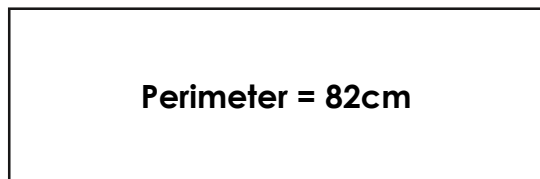
Using the correct formulae, find the area and perimeter of the new shape.



Not to scale

PS

5a. A shape has a perimeter of 82cm.



What is the largest area the shape could have?

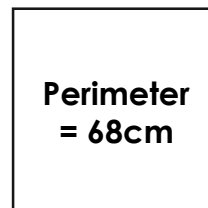
What is the smallest area the shape could have?



Not to scale

PS

5b. A shape has a perimeter of 68cm.



What is the largest area the shape could have?

What is the smallest area the shape could have?



Not to scale

PS

6a. Cally says,



A square can have the same area and perimeter.

Do you agree? Prove it.



R

6b. Brendan says,



A rectangle will always have a different area and perimeter.

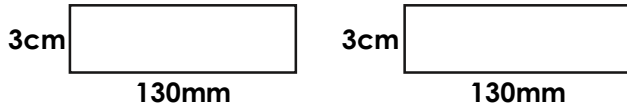
Do you agree? Prove it.



R

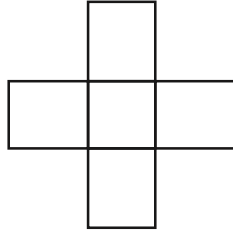
Area and Perimeter

7a. Hamza draws two equal rectangles.



He puts them together to make a new shape.

Using the correct formulae, find the area and perimeter of the new shape.

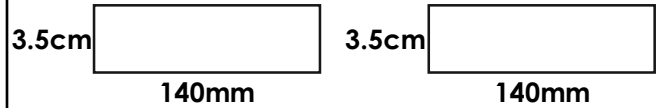


Not to scale

PS

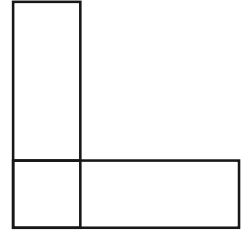
Area and Perimeter

7b. Joanna draws two equal rectangles.



She puts them together to make a new shape.

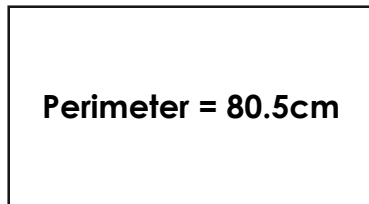
Using the correct formulae, find the area and perimeter of the new shape.



Not to scale

PS

8a. A shape has a perimeter of 80.5cm.



What is the largest area the shape could have?

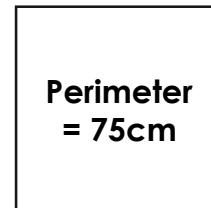
What is the smallest area the shape could have?



Not to scale

PS

8b. A shape has a perimeter of 75cm.



What is the largest area the shape could have?

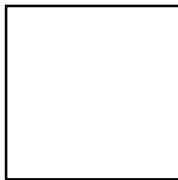
What is the smallest area the shape could have?



Not to scale

PS

9a. Suzie says,



If a square has an area that is a decimal, then its perimeter will always be a decimal too.

Do you agree? Prove it.



R

9b. Kevin says,



If a rectangle has a perimeter that is a decimal, then its area will always be a decimal too.

Do you agree? Prove it.



R