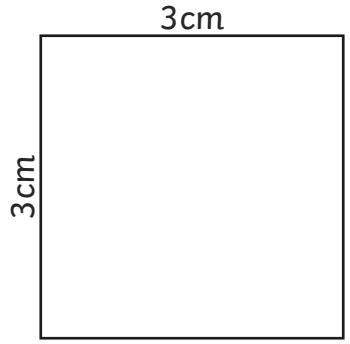
Comparing Areas of Squares and Rectangles

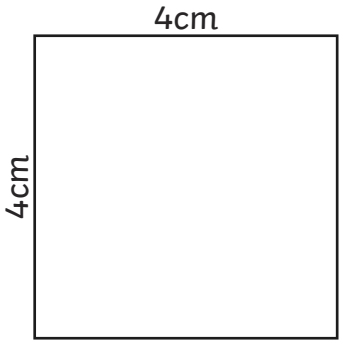
I can calculate and compare the area of shapes using standard units.

1) Calculate the area of each shape. Then, compare the areas of the shapes using <, > or =. Remember to look carefully at the units. The shapes are not drawn to scale.

a)



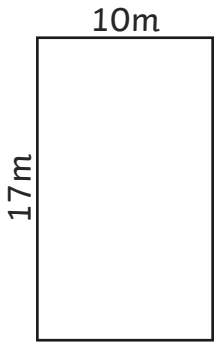
Compare with <, > or =



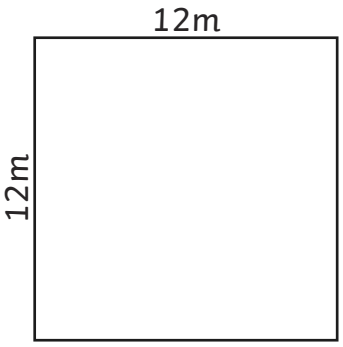
Area = _____

Area = _____

b)



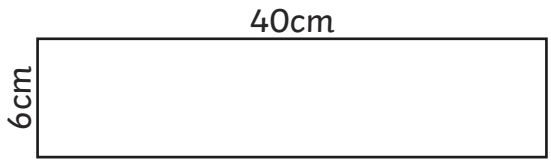
Compare with <, > or =



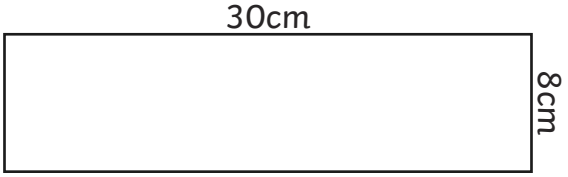
Area = _____

Area = _____

c)



Compare with <, > or =

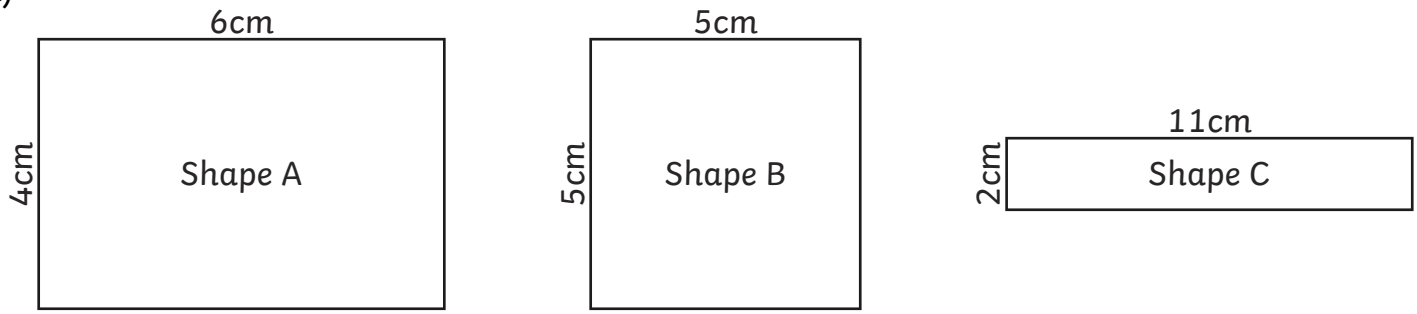


Area = _____

Area = _____

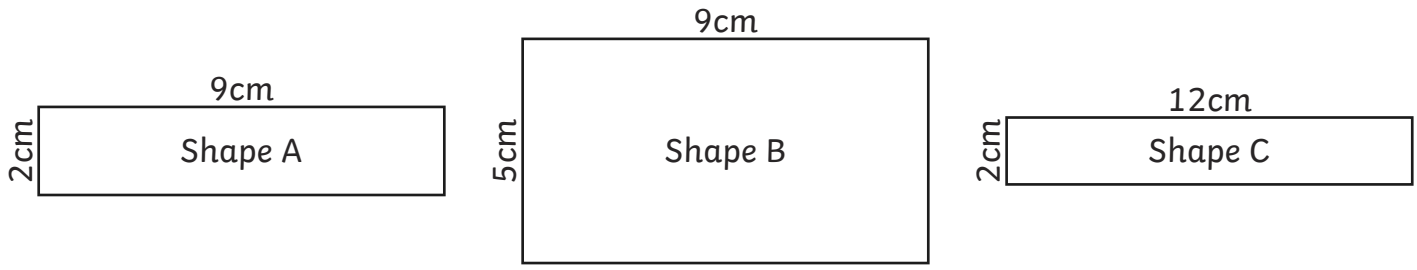
2) For each set of shapes, calculate the area of each shape. Then, write the letters in the correct order to order the shapes from smallest to largest area.

a)



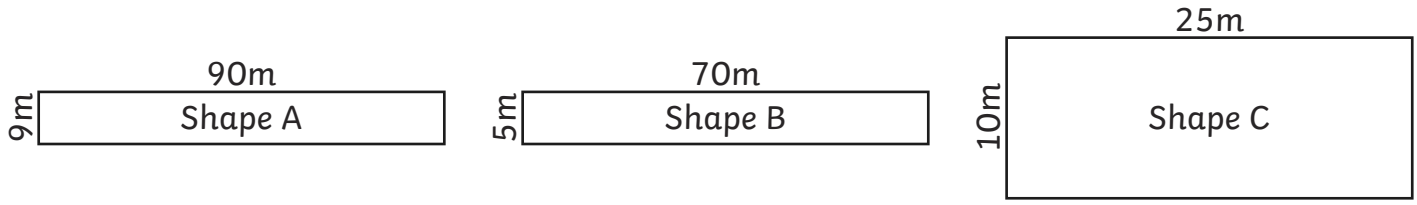
Correct order: _____

b)



Correct order: _____

c)



Correct order: _____

3) Calculate the area of this shape. On squared paper, how many rectangles or squares can you draw that have a smaller area? Write the area next to the shapes that you draw.

Area = _____

Comparing Areas of Squares and Rectangles **Answers**

Question	Answer		
1.	Calculate the area of each shape. Then, compare the areas of the shapes using <, > or =. Remember to look carefully at the units. The shapes are not drawn to scale.		
a	Area = **9cm²**	**<**	Area = **16cm²**
b	Area = **170m²**	**>**	Area = **144m²**
c	Area = **240cm²**	**=**	Area = **240cm²**
2.	For each set of shapes, calculate the area of each shape. Then, write the letters in the correct order to order the shapes from smallest to largest area.		
a	Correct order: **C, A, B**		
b	Correct order: **A, C, B**		
c	Correct order: **C, B, A**		
3.	Calculate the area of this shape. On squared paper, how many rectangles or squares can you draw that have a smaller area? Write the area next to the shapes that you draw.		
	Area = **32cm²** **Accept any rectangles or squares drawn that have an area smaller than 32cm².**		

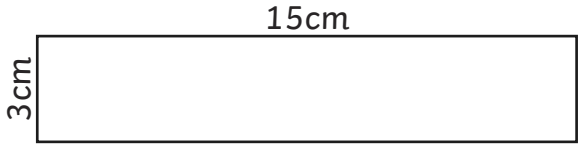
Comparing Areas of Squares and Rectangles

I can calculate and compare the area of shapes using standard units.

1) Calculate the area of each shape. Then, compare the areas of the shapes using <, > or =. Remember to look carefully at the units. The shapes are not drawn to scale.

a)

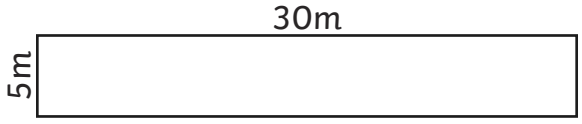
Compare with <, > or =



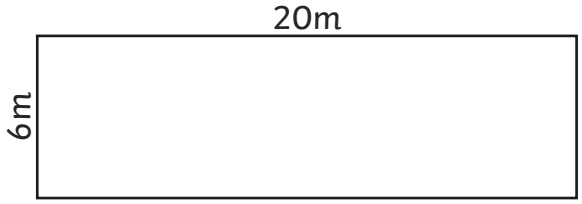
Area = _____

Area = _____

b)



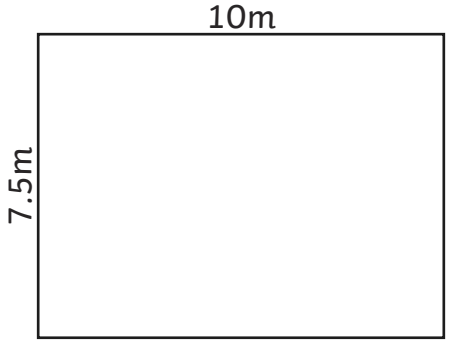
Compare with <, > or =



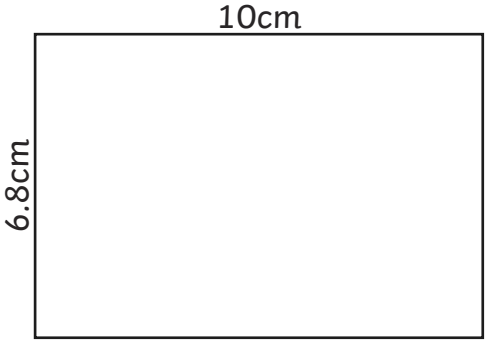
Area = _____

Area = _____

c)



Compare with <, > or =

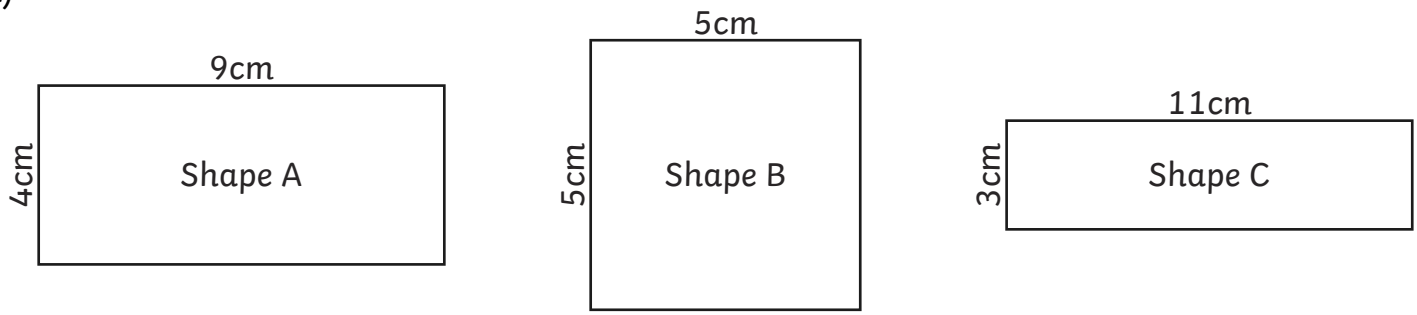


Area = _____

Area = _____

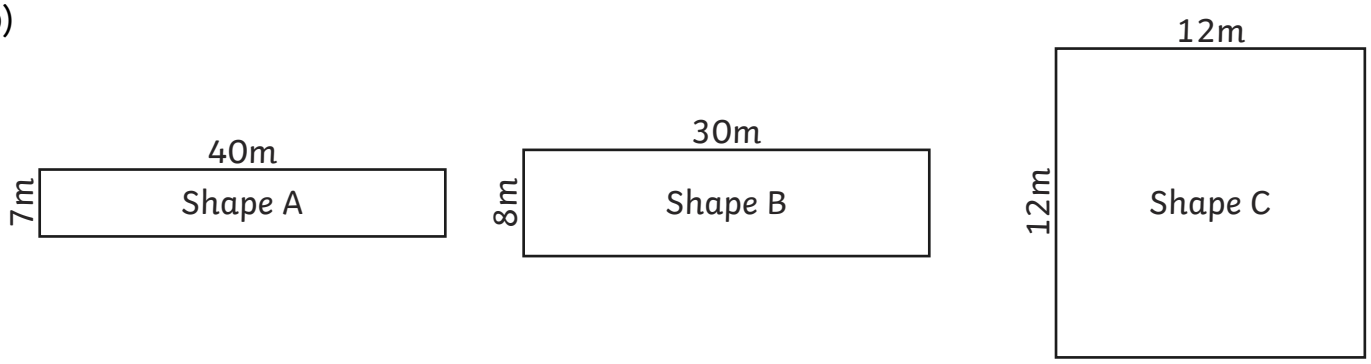
2) For each set of shapes, calculate the area of each shape. Then, write the letters in the correct order to order the shapes from smallest to largest area.
The shapes are not drawn to scale.

a)



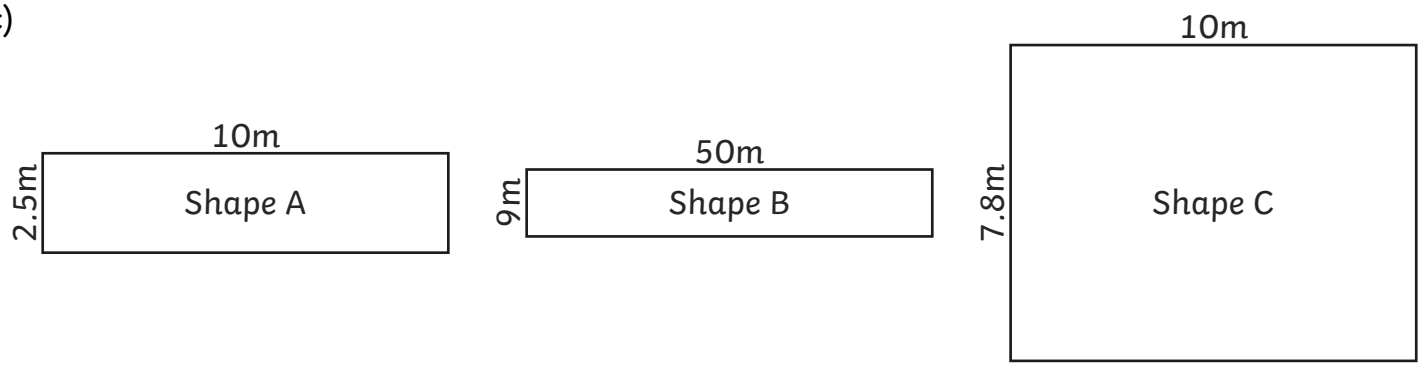
Correct order: _____

b)

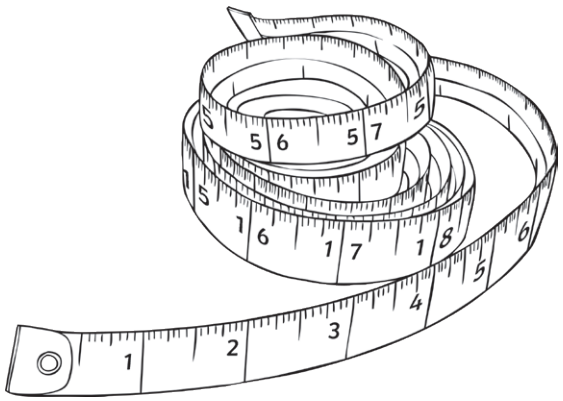


Correct order: _____

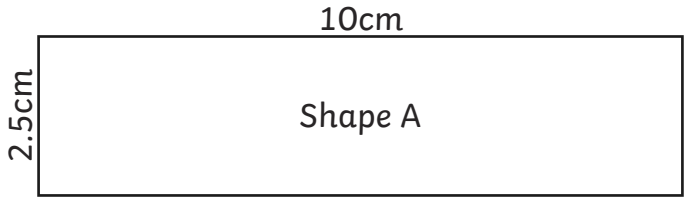
c)

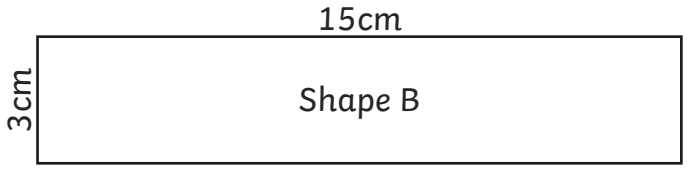


Correct order: _____



3) Calculate the area of these two shapes. Then, on squared paper, draw as many shapes as you can with an area larger than Shape A but smaller than Shape B.





Area = _____

Area = _____

Comparing Areas of Squares and Rectangles **Answers**

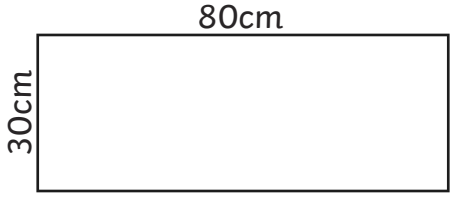
Question	Answer		
1.	Calculate the area of each shape. Then, compare the areas of the shapes using <, > or =. The shapes may not be drawn to scale. Remember to look carefully at the units.		
a	Area = **45cm²**	=	Area = **45cm²**
b	Area = **150m²**	>	Area = **120m²**
c	Area = **75m²**	<	Area = **68m²**
2.	For each set of shapes, calculate the area of each shape. Then, write the letters in the correct order to order the shapes from smallest to largest area.		
a	Correct order: **B, C, A**		
b	Correct order: **C, B, A**		
c	Correct order: **A, C, B**		
3.	Calculate the area of these two shapes. Then, on squared paper, draw as many shapes as you can with an area larger than Shape A but smaller than Shape B.		
	Area of Shape A = **25cm²** Area of Shape B = **45cm²** **Accept any rectangles or squares drawn that have an area larger than 25cm² but smaller than 45cm².**		

Comparing Areas of Squares and Rectangles

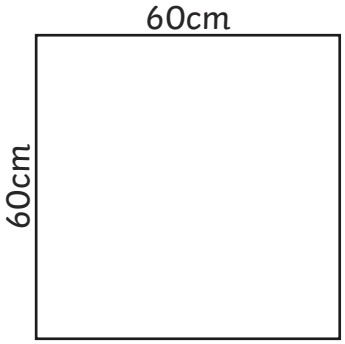
I can calculate and compare the area of shapes using standard units.

1) Calculate the area of each shape. Then, compare the areas of the shapes using <, > or =. Remember to look carefully at the units. The shapes are not drawn to scale.

a)



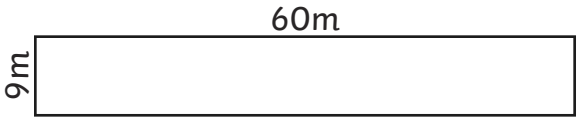
Compare with <, > or =



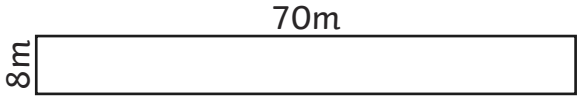
Area = _____

Area = _____

b)



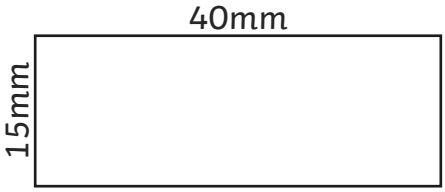
Compare with <, > or =



Area = _____

Area = _____

c)



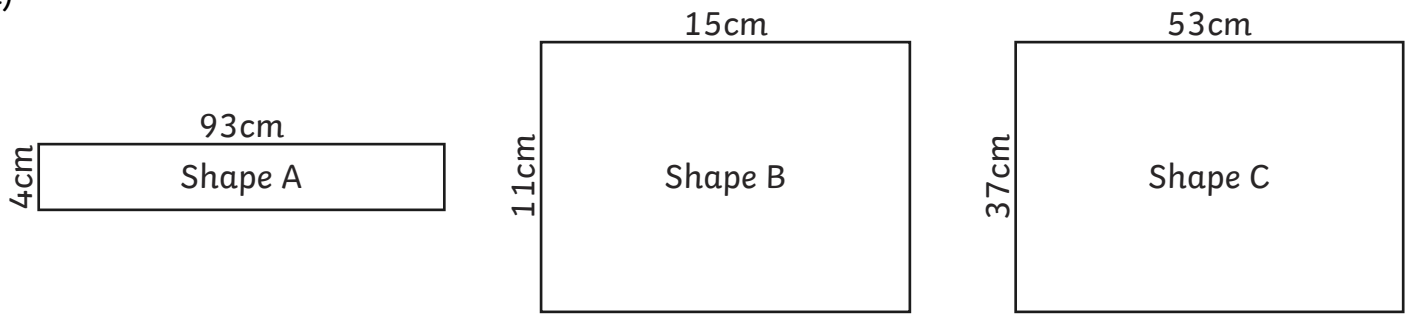
Compare with <, > or =

Area = _____

Area = _____

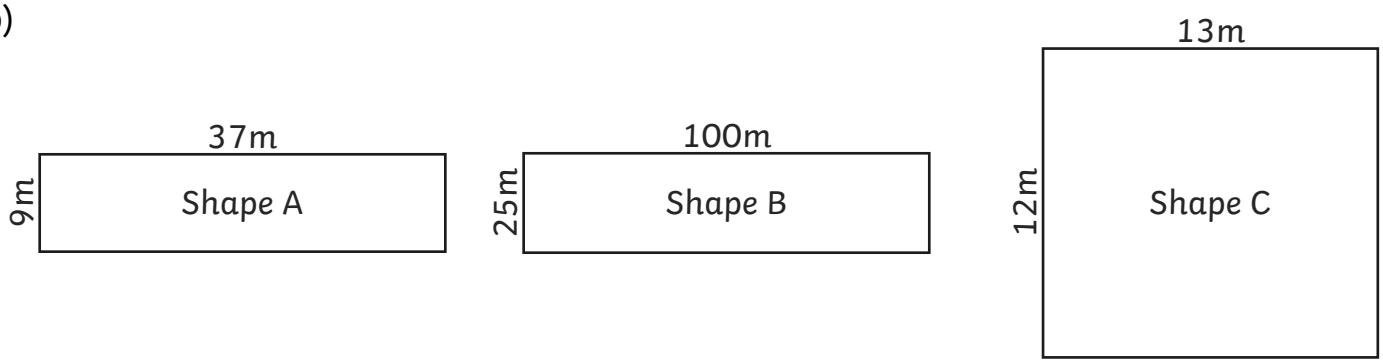
2) For each set of shapes, calculate the area of each shape. Then, write the letters in the correct order to order the shapes from smallest to largest area.
The shapes may not be drawn to the same scale.

a)



Correct order: _____

b)

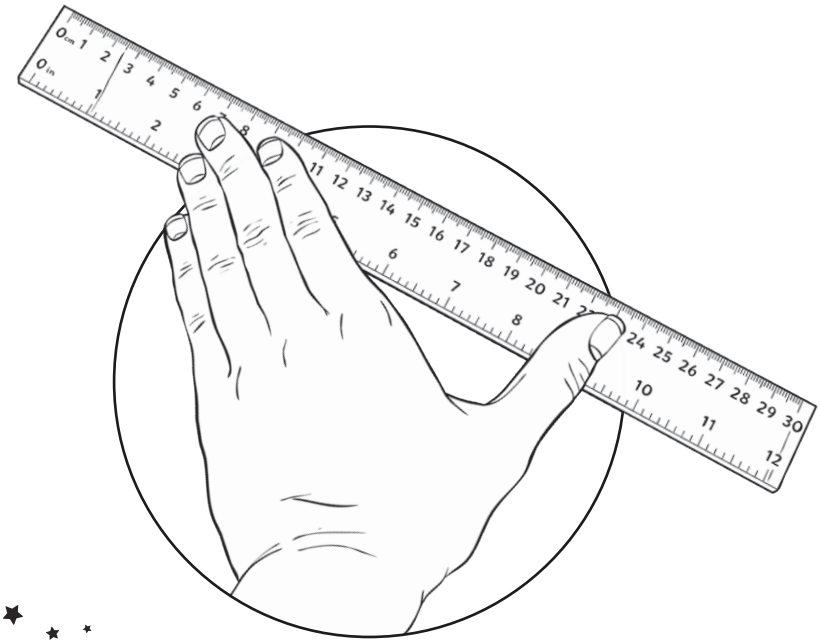


Correct order: _____

3) Use a sheet of squared paper to complete these tasks:

a) Can you draw a square in which the perimeter is numerically equal to the area?

b) Can you draw a rectangle in which the perimeter is numerically equal to the area?



Comparing Areas of Squares and Rectangles **Answers**

Question	Answer		
1.	Calculate the area of each shape. Then, compare the areas of the shapes using <, > or =. Remember to look carefully at the units. The shapes are not drawn to scale.		
a	Area = **2400cm²**	**<**	Area = **3600cm²**
b	Area = **560m²**	**>**	Area = **540m²**
c	Area = **600mm²**	**<**	Area = **1220mm²**
2.	For each set of shapes, calculate the area of each shape. Then, write the letters in the correct order to order the shapes from smallest to largest area. The shapes may not be drawn to the same scale.		
a	Correct order: **B, A, C**		
b	Correct order: **C, A, B**		
3.	Use a sheet of squared paper to complete these tasks:		
	Accept any squares or rectangles drawn where the perimeter is numerically equal to the area (for example 4 × 4 and 3 × 6).		