Quick Maths - 5.5.20

A

- Estimate the value of X

- 345 + ___ = 500
- 1,000 - 980 =
- 1/3 = 3/6 Is this true or false? Explain.

Complete the sentences to describe the apples.

□/□ of the apples are red. □/□ of the apples are green.

□/□ and □/□ make one whole

B

6

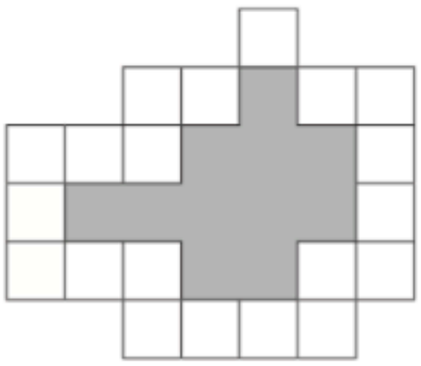
- Draw a part whole model to show 33 x 5
- < or > 0.4 ____ 0.12
- 3/4 + 5/6 =
- _____ cm = 2.5m
- 3/4 of an hour = ___ minutes
- What is the mistake?

	Th	H	T	O
	1	4	3	2
×				4
	4	16	12	8

1,432 × 4 = 416,128

Challenge

Here is a set of 20 squares around a shaded space.



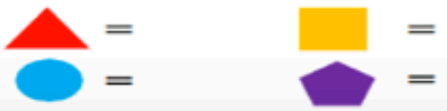
What is the area of the shaded shape?

Investigation

Use the clues to work out which fraction is being described for each shape.

- My denominator is 6 and my numerator is half of my denominator.
- I am equivalent to $\frac{4}{12}$
- I am equivalent to one whole
- I am equivalent to $\frac{2}{3}$

Can you write what fraction each shape is worth? Can you record an equivalent fraction for each one?



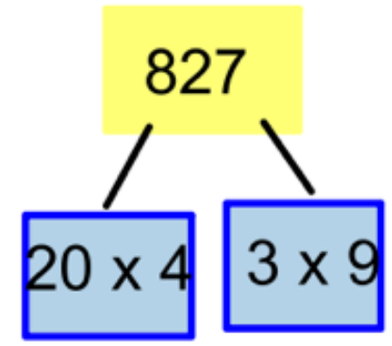
Quick Maths - 4.5.20

A

- Which of the following are **multiples** of 9?

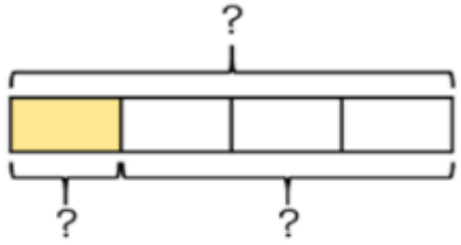
26 27 9 19 36

- 21 divided by 4 =
- 280 + _____= 500
- LX =
- **What is wrong** with my part-whole model?

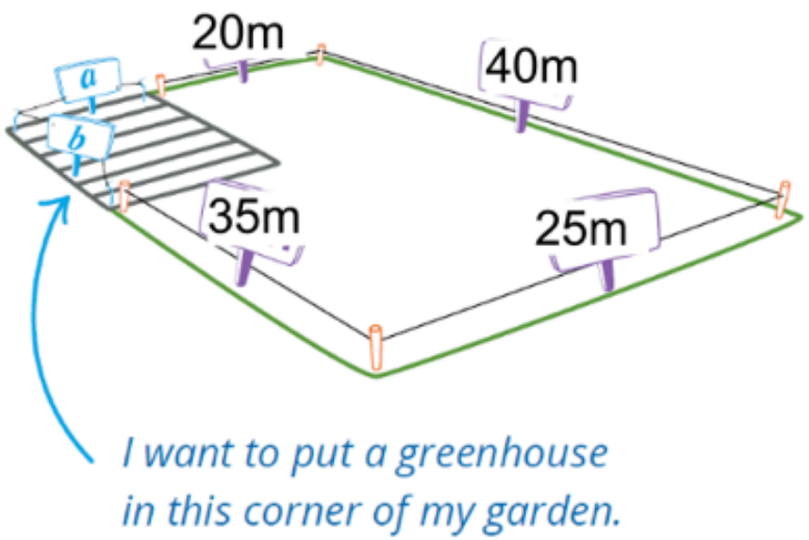


B

- 12,109 rounded to the nearest 100
- 0.21 + _____ = 0.40
- 4/? of 21 = 16
- 2,500M = _____KM
- 4 - 1/3 =
- Ron has £48. He spends 1/4 of his money. How much does he have left?



Challenge



What is the area of my greenhouse?

What is the area of the remaining garden space?

Investigation

If I have FIVE coins that TOTAL £1.40, what could the combination of coins be Y**ou can use a coin more than once.**

What do you think and how many can you find? Work systematically.

Can you think of your own question?

Quick Maths - 6.5.20

9

A

- Which of the following are factors of 18?

18 12 5 9 1

- 210 divided by 7 =
- 790 + _____= 1,000
- 55 rounded to the nearest 10 =
- 4 more than -5 =
- 6/10 + 4/10 =

30 x ?

5 x ?

95

B

- 25 minutes after 9:50 =
- 2,089 rounded to the nearest 10 =
- 2/5 = ?/3
- 2mm = ___cm
- 0.05 x 10 =
- What could the fraction question be below?

Challenge

Amir buys some clothes in a half price sale.

- Jumper £14
- Scarf £7
- Hat £2.50
- T-shirt £6.50

What would the full price of each item be?
How much would he have paid altogether if they were full price?
How much does he pay in the sale?
How much does he save?

Investigation

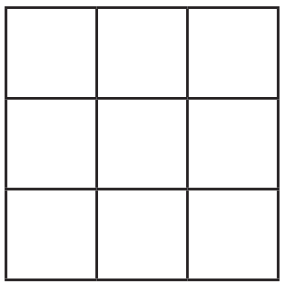
"The diference between a 2-digit number and its reverse is always a multiple of 9."

Example - 21 and 12 so 21-12

Investigating Perimeter and Area 1

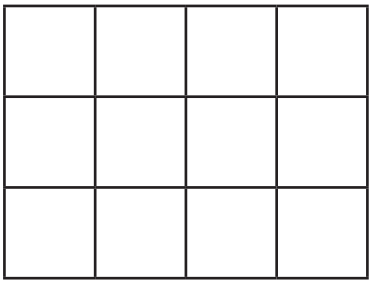
Recognise that shapes with the same areas can have different perimeters and vice versa.

There is only one rectilinear shape using 1 whole square.
Draw it and then write the area and perimeter.



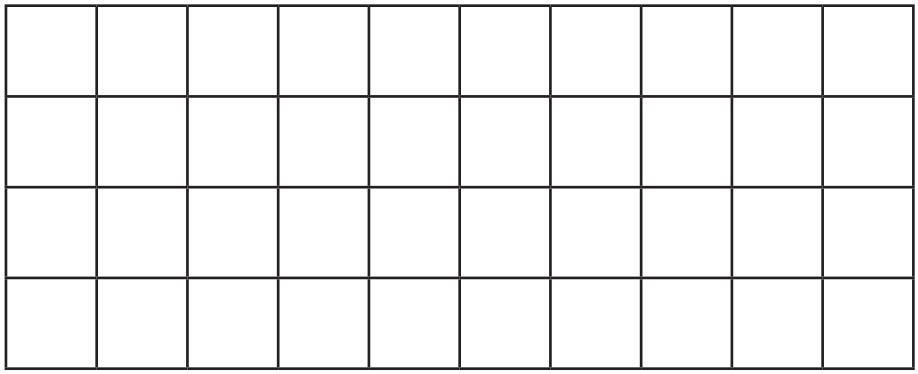
Area: _____ cm^2 Perimeter: _____ cm

There is only one rectilinear shape using 2 whole squares.
Draw it and then write the area and perimeter.



Area: _____ cm^2 Perimeter: _____ cm

Draw the 2 different shapes with 3 whole squares and write the area and perimeter.



Area: _____ cm^2

Perimeter: _____ cm

Area: _____ cm^2

Perimeter: _____ cm

What do you notice about the area and perimeter of these 2 shapes?

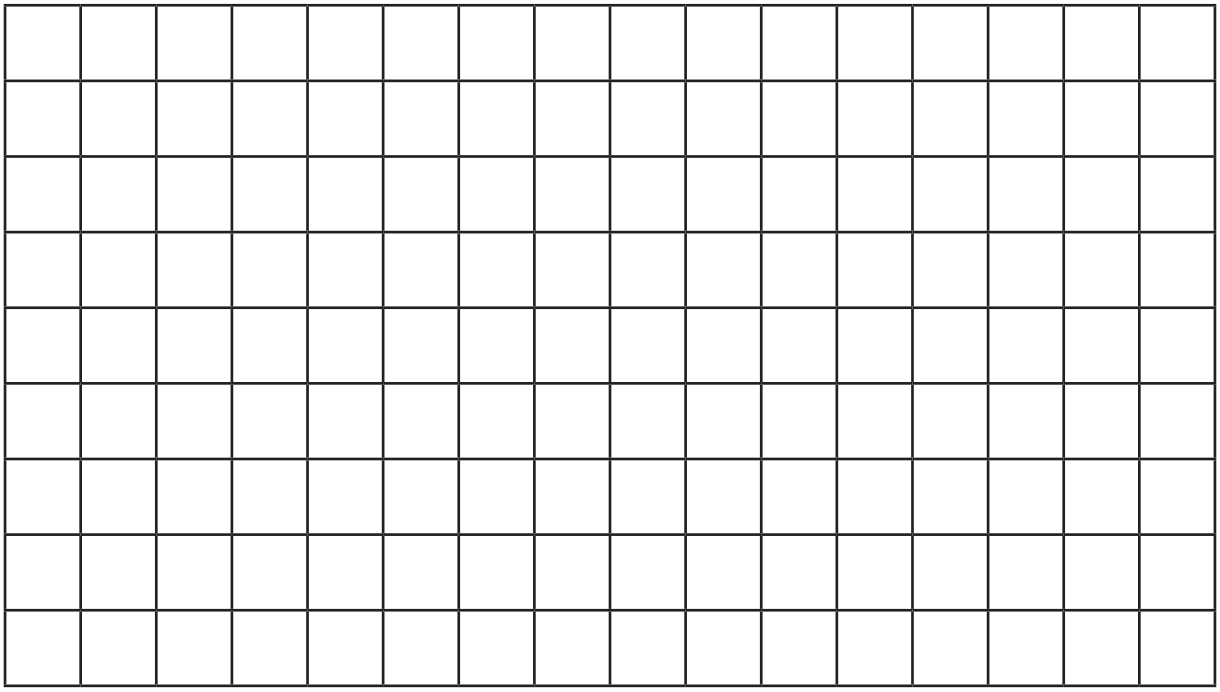
_____

_____

_____

Investigating Perimeter and Area 1

Draw different shapes with 4 whole squares and write the area and perimeter in the table below.



Shape	Area	Perimeter

What do you notice about the area and perimeter of these shapes?

Can you explain why?

Investigating Perimeter and Area 1

Draw different shapes with 5 whole squares and write the area and perimeter in the table below.

Investigating Perimeter and Area 1

Shape	Area	Perimeter

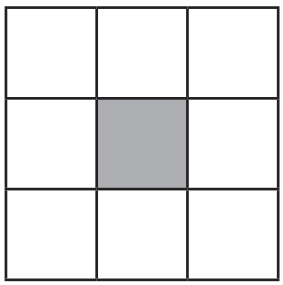
What do you notice about the area and perimeter of these shapes?

Can you explain why?

Perimeter and Area **Answers**

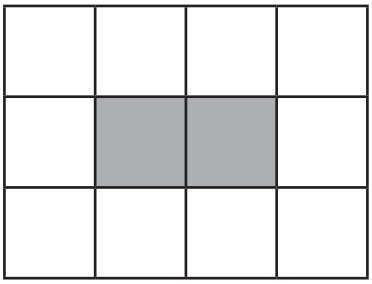
Recognise that shapes with the same areas can have different perimeters and vice versa.

There is only one rectilinear shape using 1 whole square.
Draw it and then write the area and perimeter.



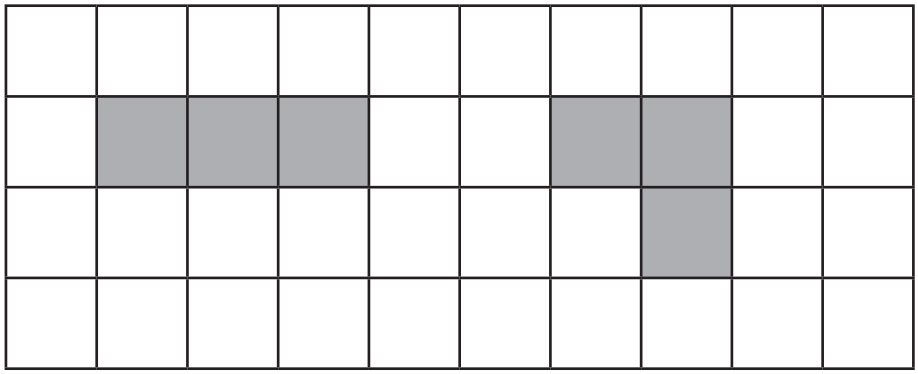
Area: **1** cm^2 Perimeter: **4** cm

There is only one rectilinear shape using 2 whole squares.
Draw it and then write the area and perimeter.



Area: **2** cm^2 Perimeter: **6** cm

Draw the 2 different shapes with 3 whole squares and write the area and perimeter.



Area: **3** cm^2

Perimeter: **8** cm

Area: **3** cm^2

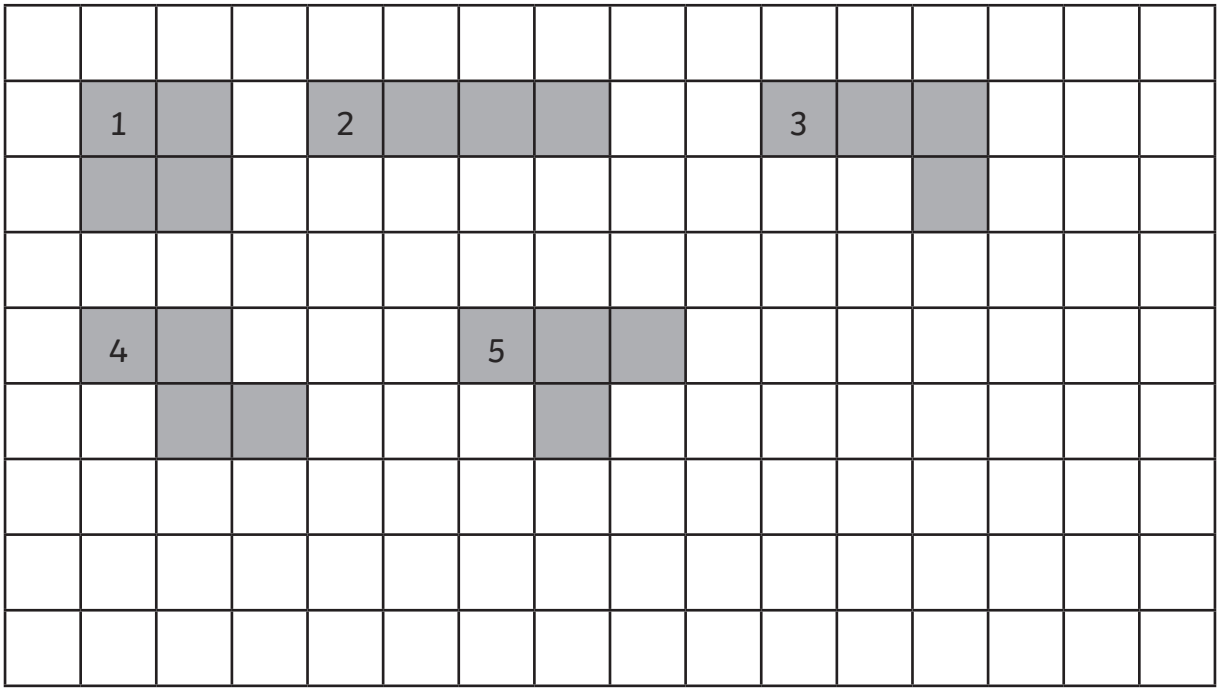
Perimeter: **8** cm

What do you notice about the area and perimeter of these 2 shapes?

They both have the same area and perimeter.

Perimeter and Area 1 Answers

Draw different shapes with 4 whole squares and write the area and perimeter in the table below.



Shape	Area	Perimeter
1	**4cm²**	**8cm**
2	**4cm²**	**10cm**
3	**4cm²**	**10cm**
4	**4cm²**	**10cm**
5	**4cm²**	**10cm**

What do you notice about the area and perimeter of these shapes?

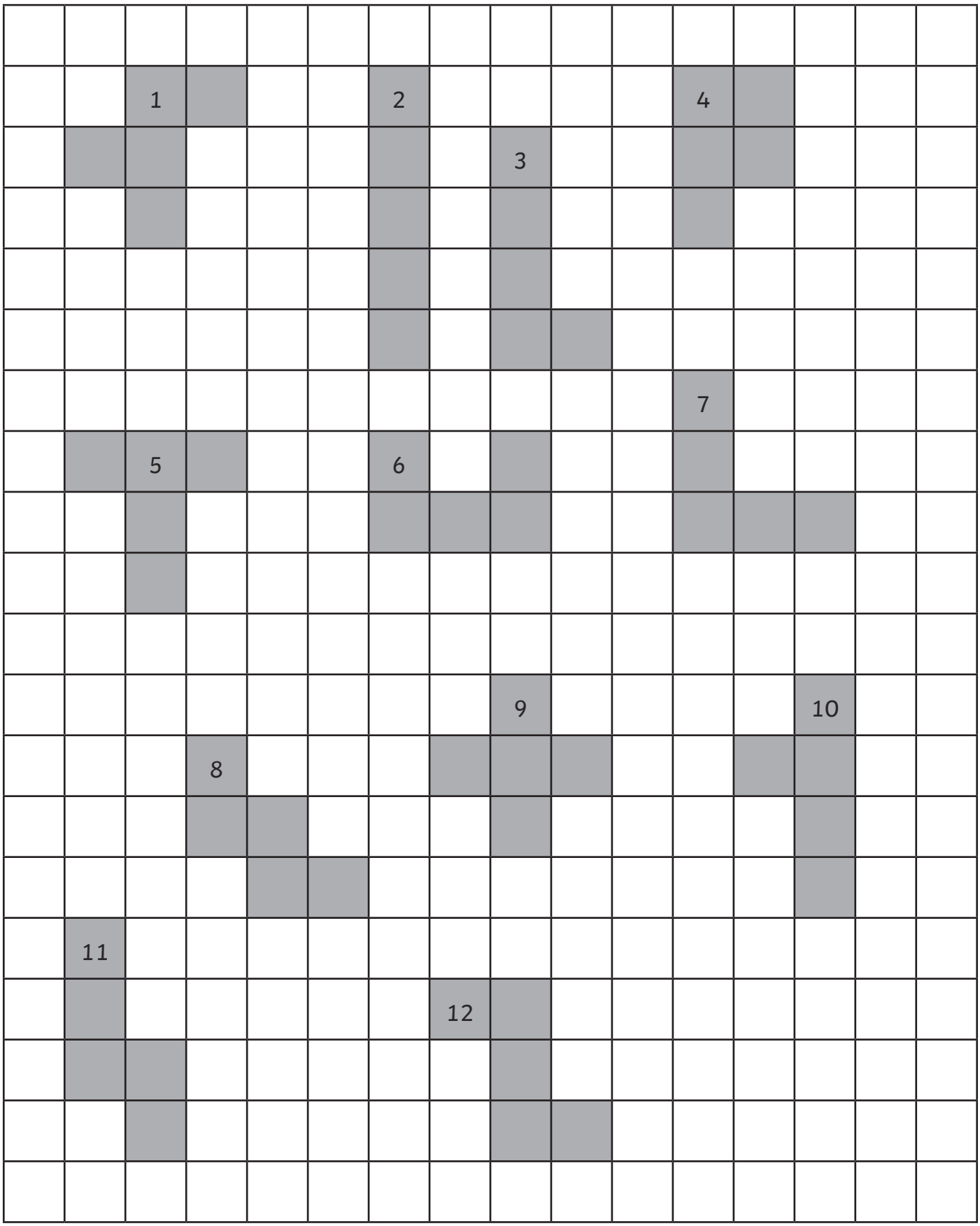
The area and perimeter are the same for all the shapes except the square where the perimeter is 8cm instead of 10cm.

Can you explain why?

The perimeter is less because the squares have been put together so 2 sides that were on the outside are now on the inside.

Perimeter and Area 1 **Answers**

Draw different shapes with 5 whole squares and write the area and perimeter in the table below.



Perimeter and Area 1 **Answers**

Shape	Area	Perimeter
1	**5cm^2**	**12cm**
2	**5cm^2**	**12cm**
3	**5cm^2**	**12cm**
4	**5cm^2**	**10cm**
5	**5cm^2**	**12cm**
6	**5cm^2**	**12cm**
7	**5cm^2**	**12cm**
8	**5cm^2**	**12cm**
9	**5cm^2**	**12cm**
10	**5cm^2**	**12cm**
11	**5cm^2**	**12cm**
12	**5cm^2**	**12cm**

What do you notice about the area and perimeter of these shapes?

All the shapes have the same area and perimeter except one, which has a perimeter of 10cm instead of 12cm.

Can you explain why?

The perimeter is less because the squares have been put together so 2 sides that were on the outside are now on the inside.