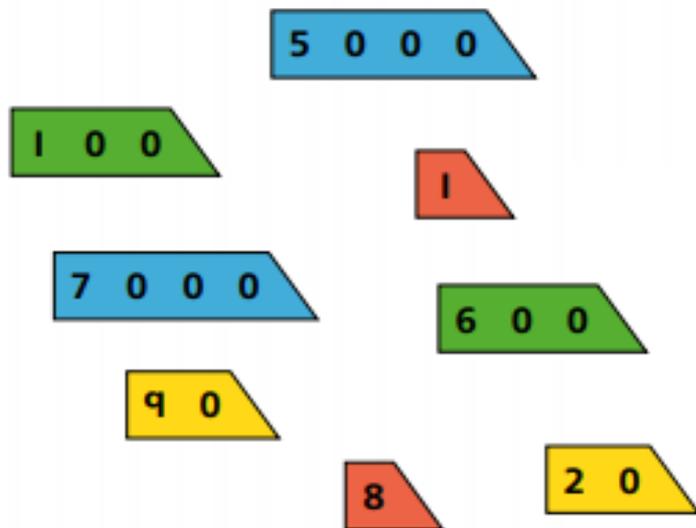


Tuesday- maths

Power Up

What numbers can you make using the place value cards?



I am going to order the numbers I make from smallest to largest.



What is the largest number you can make?

What is the smallest number you can make?

Answer

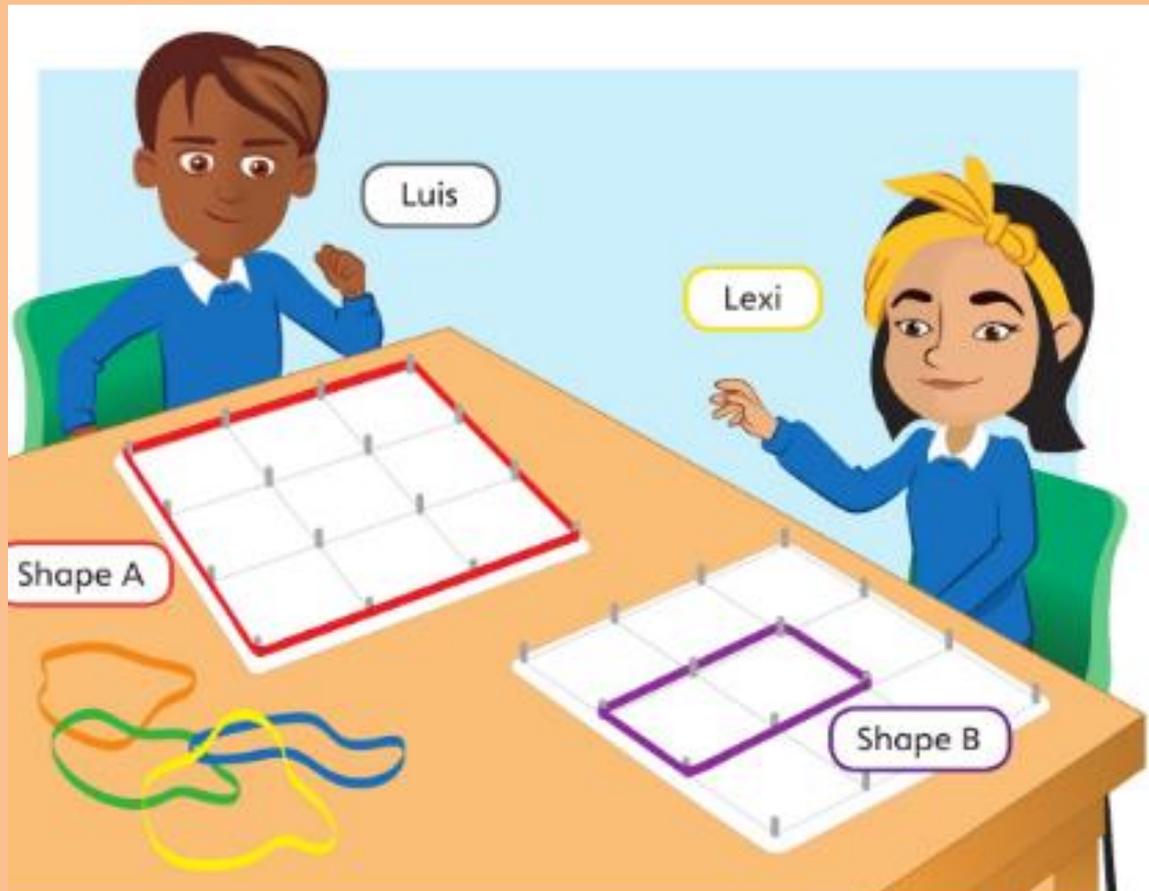
Answers

There are a lot of numbers you can make by using your place value knowledge to choose 1000s, 100s, 10s and 1s.

Smallest number is 1

Largest number is 7968

LO To count squares to find area



- What is the area of each shape?
- Draw a shape with an area in between the two sizes.

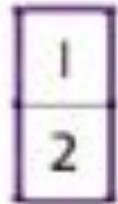
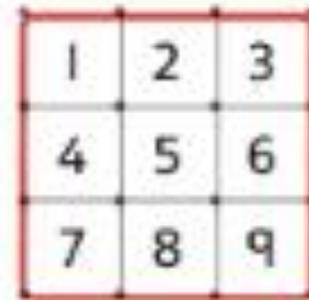
LO To count squares to find area a) Answer

The **units** we can use to measure area are squares.

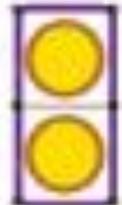
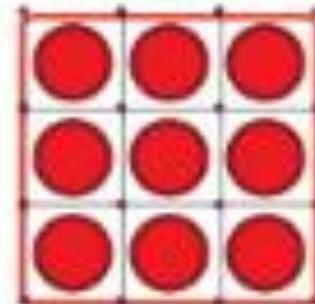
Count the squares to find which shape is larger.



I drew lines to divide the shapes into squares. Then I wrote numbers inside to help me count them.



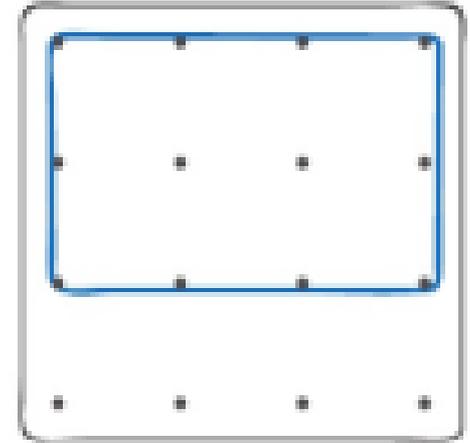
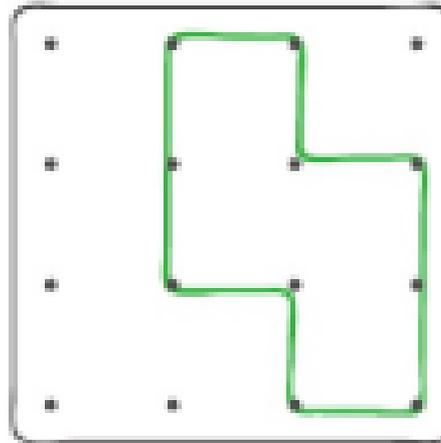
I wonder if it would help to place a counter on each square and then count them.



LO To count squares to find area

b) Answer

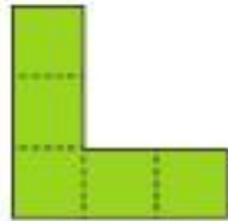
b) A shape with an area of between 2 and 9 squares will have an area of 3, 4, 5, 6, 7 or 8 squares.



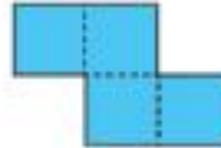
Fluency

1 Count the squares in each shape to find the area.

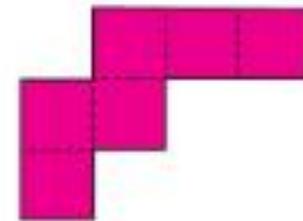
Shape A



Shape B



Shape C



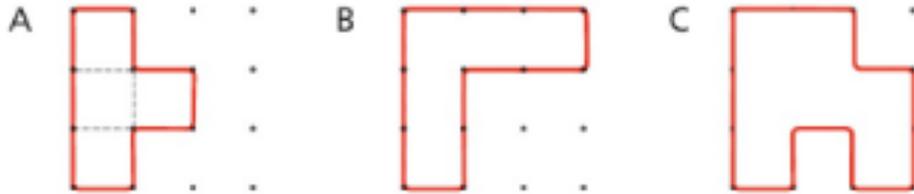
The area of Shape A is squares.

The area of Shape B is squares.

The area of Shape C is squares.

LO To count squares to find area

2 What is the area of these shapes?

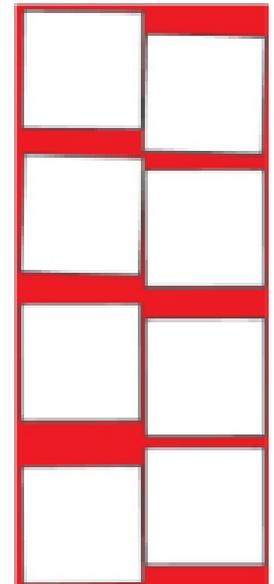
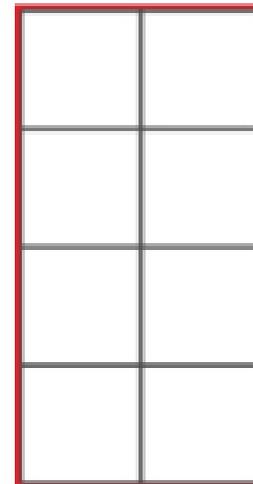


Shape	Area
A	
B	
C	

These rectangles both have an area of 8 squares. They are the same size.

3 Ash has covered these rectangles with small paper squares.

I do not think this is right. Do not worry, you can learn from your mistake!

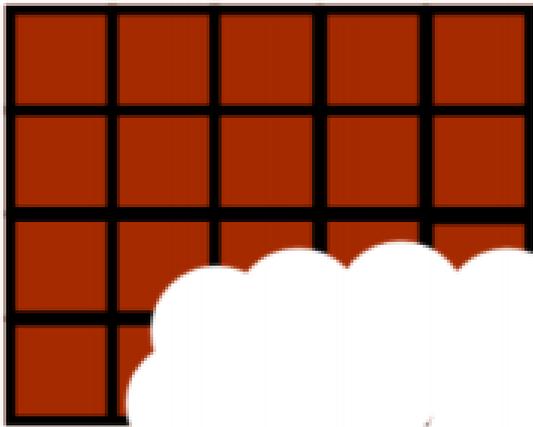


What has Ash done wrong? Explain why you think this will give you the wrong answer.

LO To count squares to find area

Reasoning

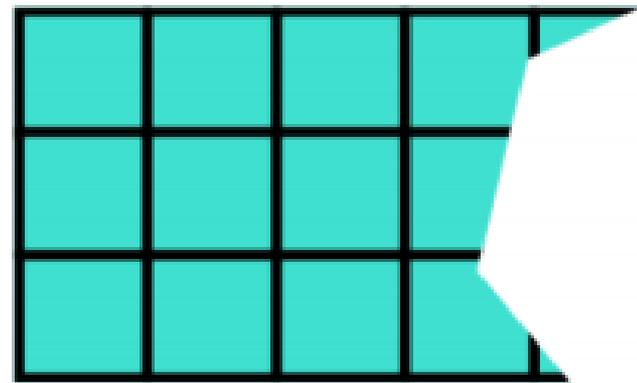
Dexter has taken a bite of the chocolate bar.



The chocolate bar was a rectangle.
Can you work out how many squares of chocolate there were to start with?

Problem Solving

This rectangle has been ripped.



What is the smallest possible area of the original rectangle?

What is the largest possible area if the length of the rectangle is less than 10 squares?

LO To count squares to find area **Answers**

Reasoning

There were 20 squares. You know this because two sides of the rectangle are shown.

Problem Solving

Smallest area – 15 squares.

Largest area – 30 squares.