

Max's Area and Perimeter Masterclass

Learning objective: To calculate the perimeter of shapes and the area of rectilinear shapes by counting squares and using multiplication.

Use these flashcards to test your knowledge of area and perimeter. Max the monkey has put these together to help you solve his maths puzzles!

What is the definition of perimeter?

The total distance around the outside edge of a 2D shape.

How do you calculate the area of a rectangle?

Multiply the length by the width.

**A rectangle has a length of 5cm and a width of 3cm.
What is its area?**

15 square centimetres.

If a square has sides of 4cm each, what is its perimeter?

16cm.

What unit of measurement do we use for area in Year 4?

Square centimetres (cm²).

What does 'rectilinear' mean in geometry?

A shape where all the sides meet at right angles.

**A garden bed has a length of 6m and a width of 2m.
What is the perimeter?**

16m.

If you are counting squares on a grid to find area, what are you counting?

The number of square units inside the shape.

Max has a rectangular rug that is 4m by 2m. What is the area?

8 square metres.

True or False: Two shapes can have the same area but different perimeters.

True.

How much would it cost to put a fence around a square garden with sides of 3m if fencing costs £2 per metre?

£24 (The perimeter is 12m, $12 \times £2 = £24$).

If a shape is made of two joined rectangles, how do you find the total area?

Calculate the area of each rectangle separately and add them together.