Finding the perimeter of 2D shapes

Prior learning

- Can identify and describe the properties of 2D shapes.
Can use a ruler to accurately measure straight lines.


## Learn

- Explain that the perimeter of a shape is the distance around its edge. A nice visualisation is to imagine that you are an ant walking around a small shape, or you yourself are walking around a large shape. Using the textbook examples on page 64

Curriculum objectives
To measure the perimeter of simple 2D shapes.

Success criteria

- I can find the perimeter of 2 D shapes.
as a starting point, demonstrate how to add side lengths together to find the perimeter. It is useful o cover irregular shapes at this point - if anything this makes the concept more obvious
Next, return to the regular shapes listed at the top of page 64 in the textbook - triangle, square, ectangle, pentagon, hexagon and circle. Draw examples of these shapes on the board and write side lengths on them
as appropriate. Work with the children to calculate the perimeter of each shape. Ask: What is difficult about finding the perimeter of a circle? Consider how it might be found.
- 100 Maths Lessons Year 3,

Autumn 1, Week 5, Lessons 4 and 5 focus on the perimeter of 2D shapes.

Provide children with a range of shapes and ask them to explain to each other how they would find the perimeter of each. Some children might notice the link to multiplication for regular shapes, and more confident learners can be challenged to find the perimeter of composite shapes formed by joining two regular shapes together.

- The textbook questions are easy enough to adapt to create more questions if desired by adjusting ther/both sizes and units of length.
-The Year 3 Practice Book activity 'Measuring 2D shapes' challenges children to create shapes from a limited number of facts and then to find the perimeters.


## Problems

- Once children have completed the problems, challenge them o measure and calculate the perimeters of a range of items in the classroom or school. They Can tabulate these, listing length width and perimeter for each ne, and ensuring the correc units are used.

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[^0]:    100 Maths Lessons Year 3 links:

    - Autumn 1, Week 5 (pages 32-37): find the perimeter of simple 2D shapes
    Year 3 Practice Book links:
    (page 108): Measuring 2D shapes

