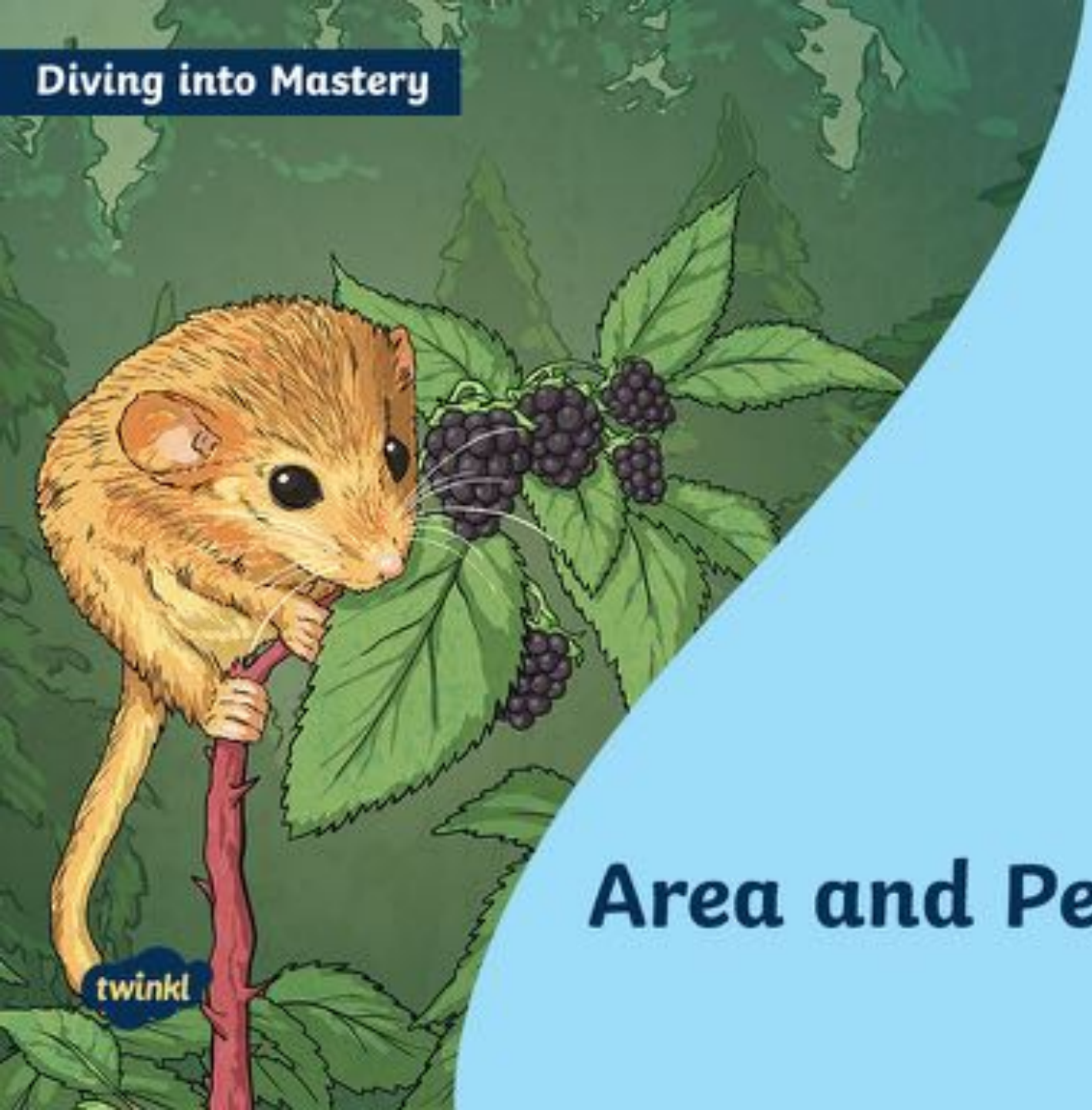
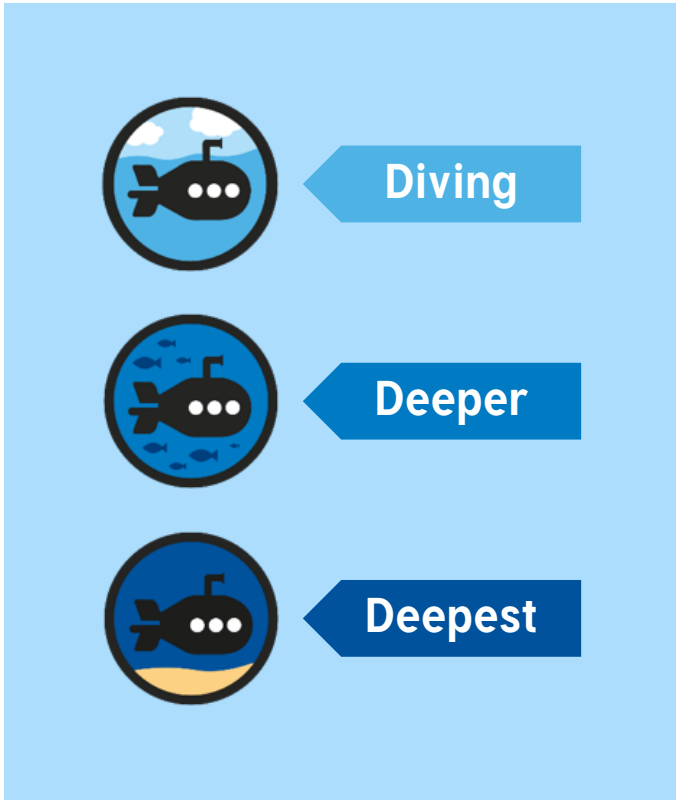
Diving into Mastery




# Area and Perimeter

# Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:

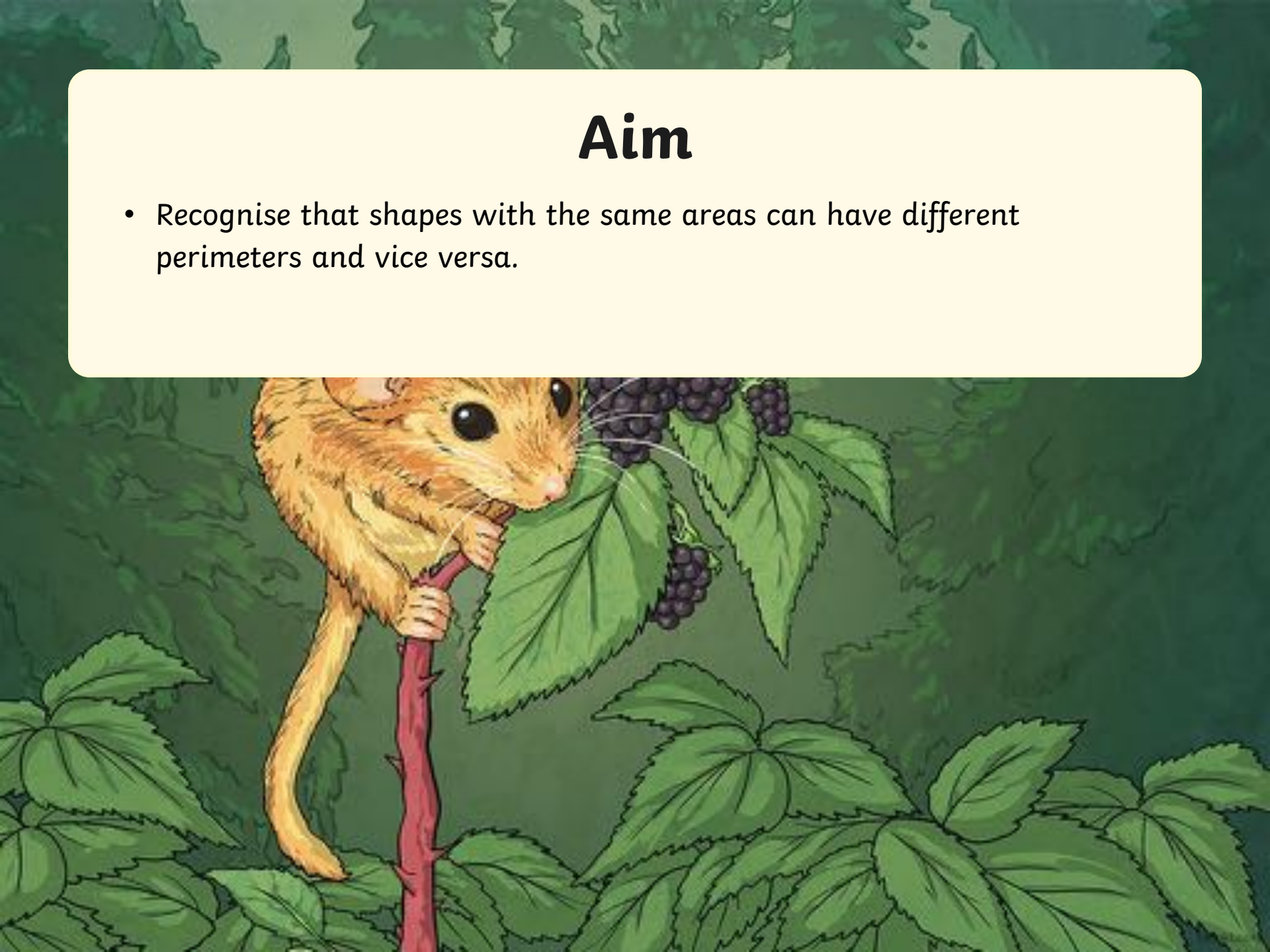



These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

# Aim

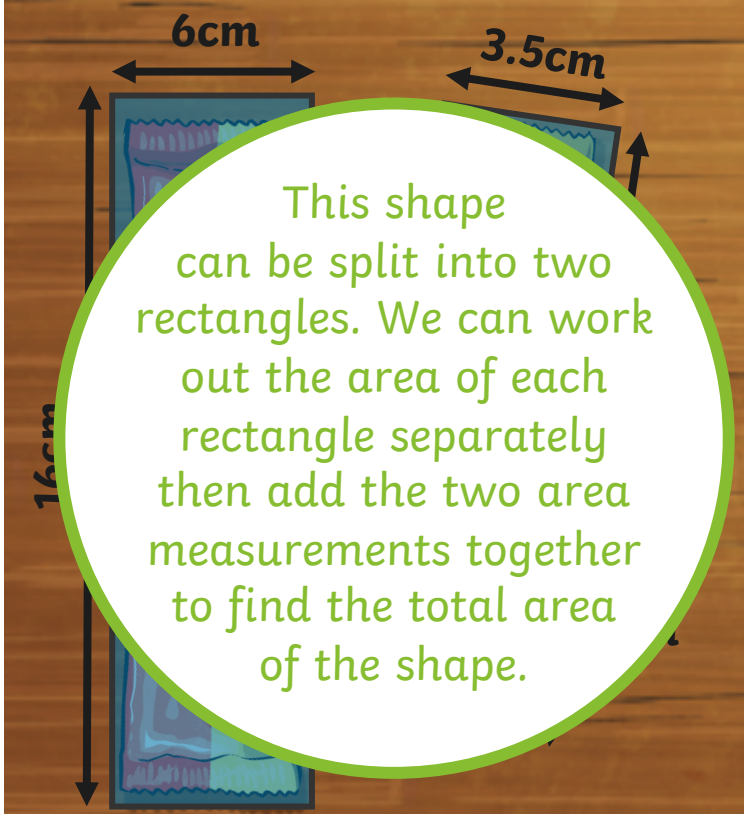
- Recognise that shapes with the same areas can have different perimeters and vice versa.



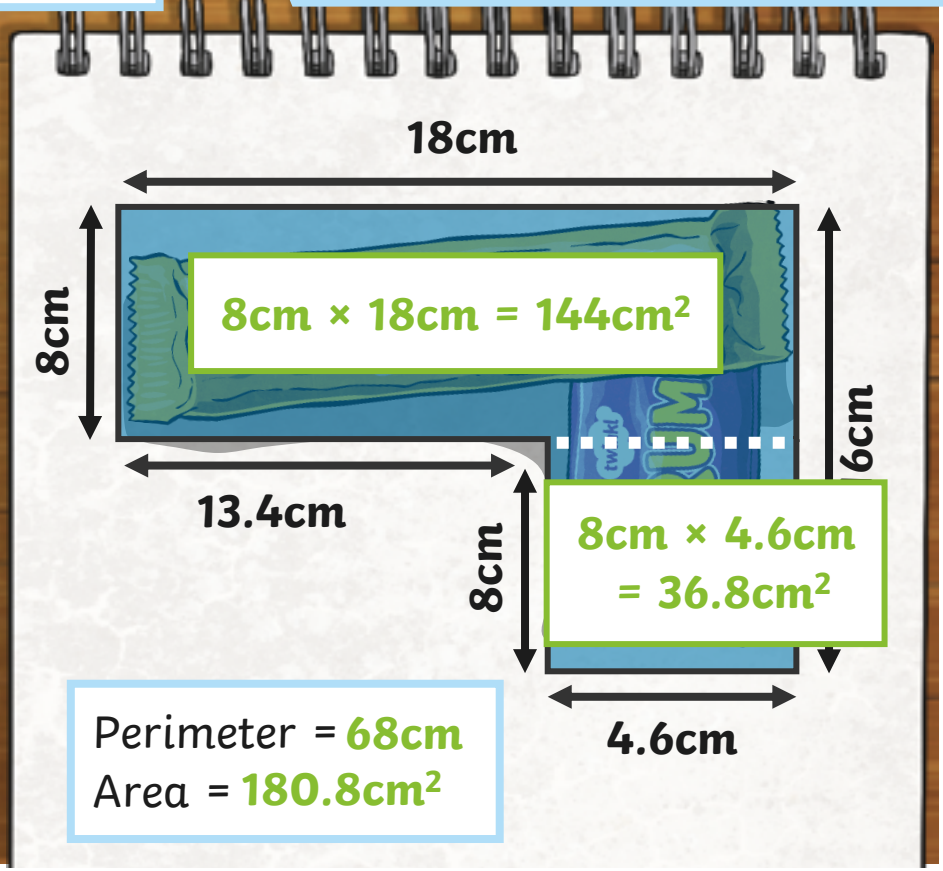
Perimeter = 44cm
Area = 96cm²

Perimeter = 23cm
Area = 28cm²

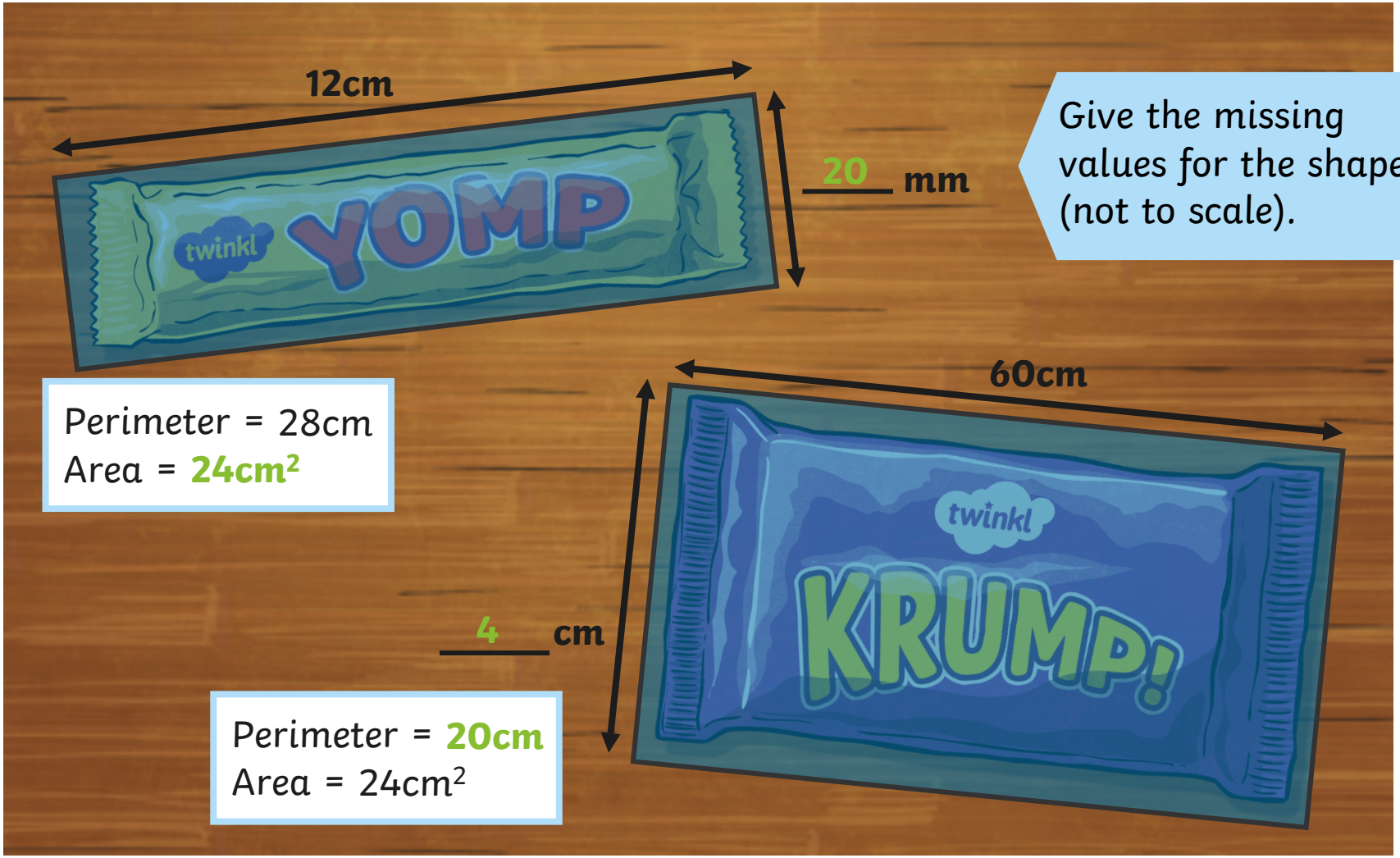
Give the missing values for the blue shapes (not to scale).




This shape can be split into two rectangles. We can work out the area of each rectangle separately then add the two area measurements together to find the total area of the shape.




Perimeter = 68cm
Area = 180.8cm²

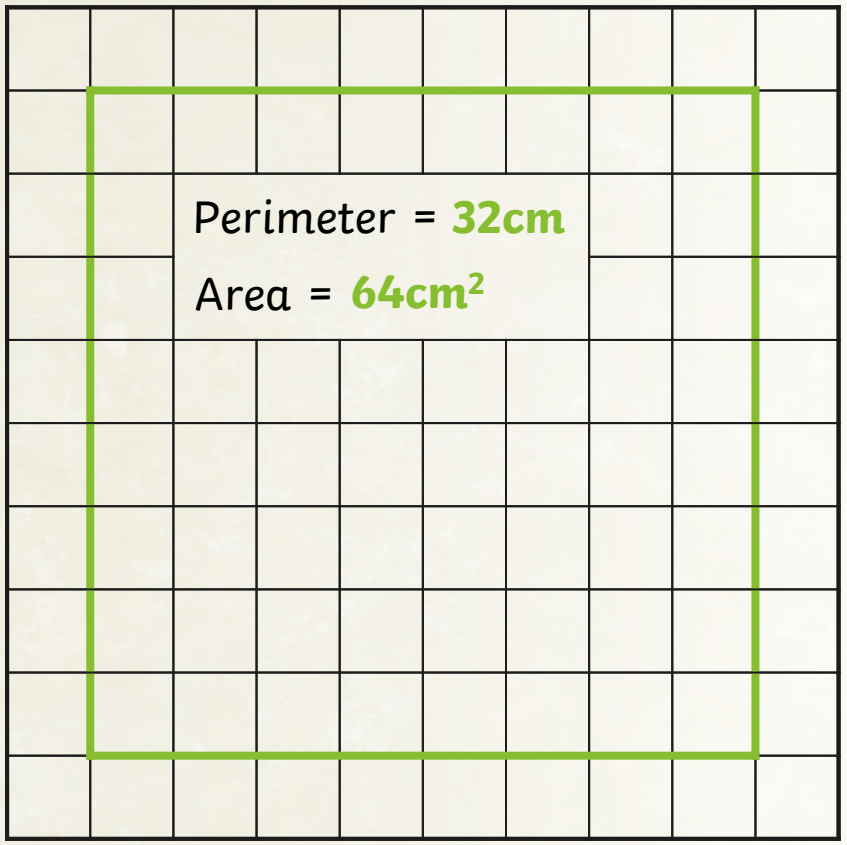



Give the missing values for the shapes (not to scale).

True. An 8cm × 8cm square will have an area that is twice its perimeter. See example:

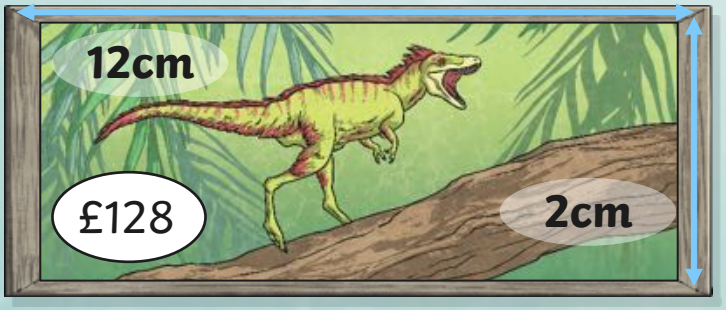
**Ava**

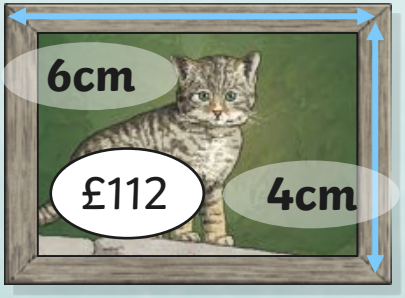
I can draw a shape that has an area that is twice its perimeter.



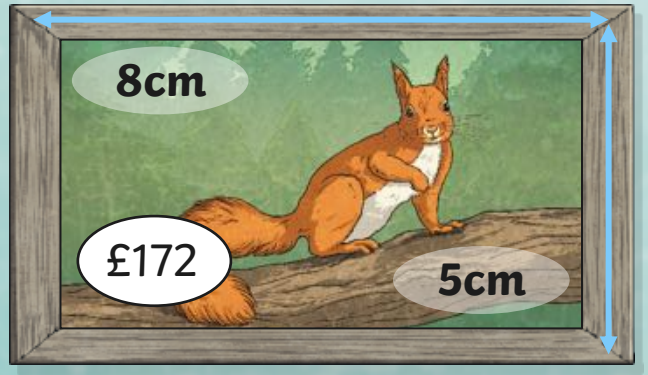
Each 1cm² of a painting = **£3 per cm²**

Each cm of the frame that will go along the outside edge of the painting = **£2 per cm**



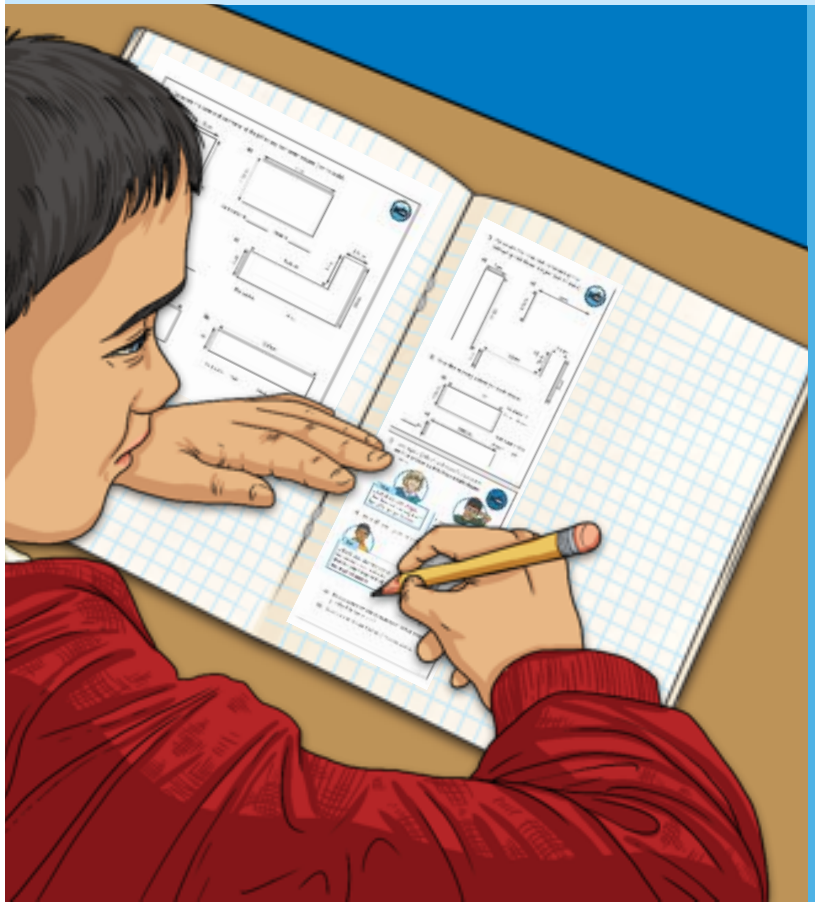



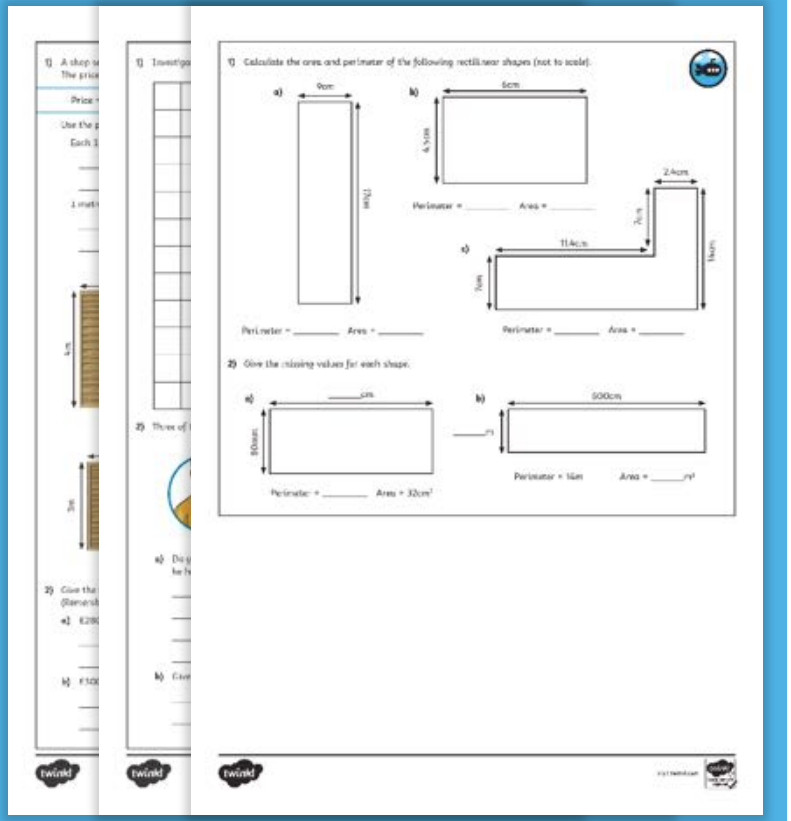




# Area and Perimeter

Dive in by completing your own activity!



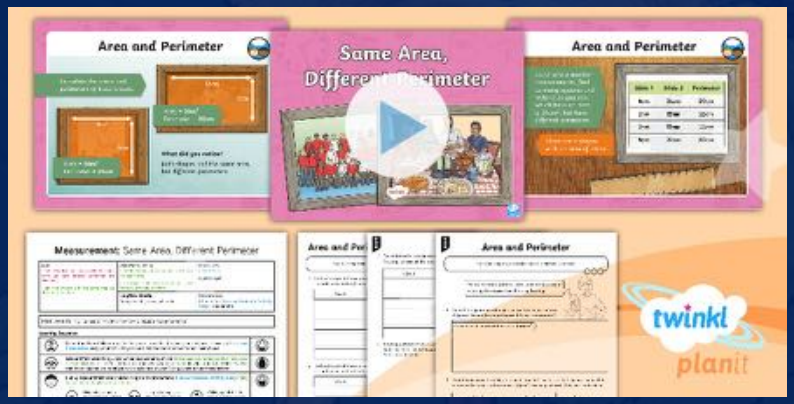


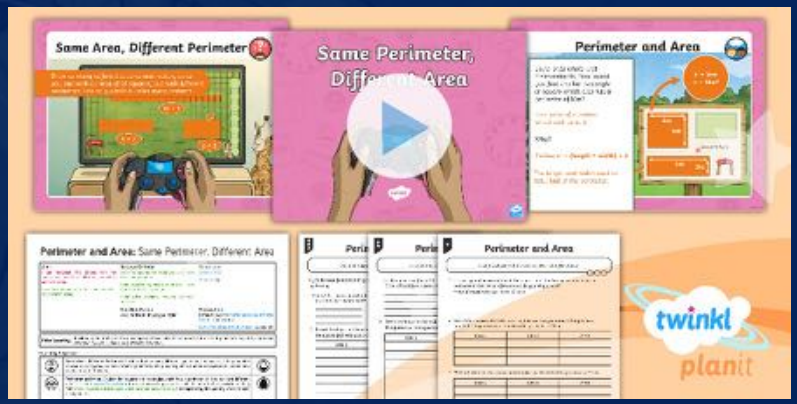
# Need Planning to Complement this Resource?

## National Curriculum Aim

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

For more planning resources to support this aim, click here.

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