



What should I already know?

- How to measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
- How to convert between different units of measure (for example, kilometre to metre).

What will I know by the end of the unit?

- How to measure the perimeter of a shape from diagrams without grids
- How to calculate the perimeter of a shape from diagrams with and without grids
- How to apply my knowledge of measuring and finding perimeter to find the unknown side length
- How to find the area of a shape by counting squares
- How to use a formula to find the area of rectangles
- How to calculate the area of a compound shape
- How to estimate the area of a shape that is not rectilinear by counting squares

Vocabulary

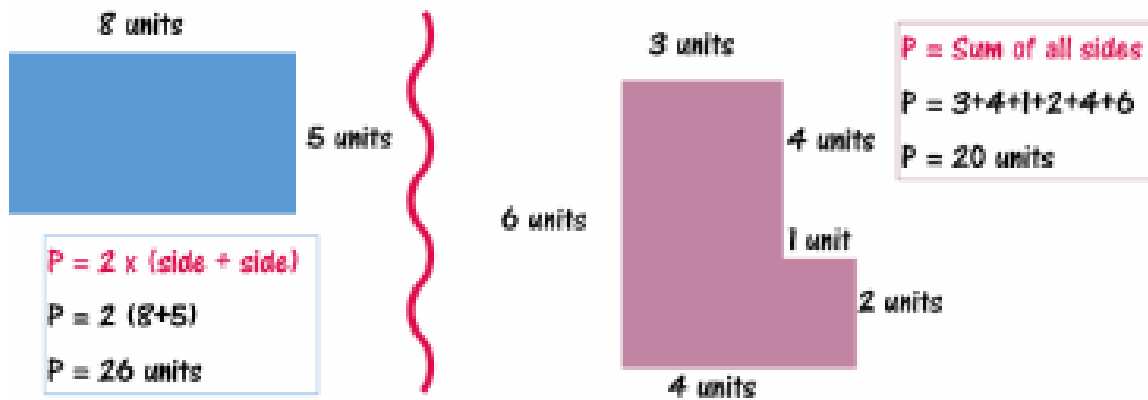
Perimeter	Rectangle	Calculating	Compound
Rectilinear	Measuring	Squares	Correspond
Measurement	Unknown	Area	Estimate
Ruler	Length	Counting	Approximate
Accurately	Side	Formula	Annotate

Investigate/Homework tasks

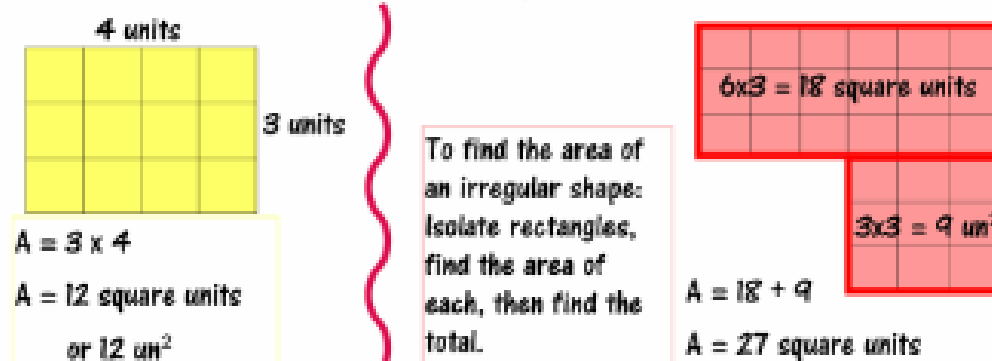
- Homework will be set from the booklet issued by your teacher
- You should complete at least 30 minutes of maths tasks on Maths Whizz (not games). Please attend help sessions if you do not have access to the internet at home
- Additional work you could complete:
 - Find out more about the meaning of the vocabulary list using <http://www.amathsdictionaryforkids.com/>
- To challenge yourself: Answer the key questions to deepen your knowledge

Diagram/Key Information

Perimeter (P): The distance around the outside of a shape



Area (A): The number of square units inside a shape. $A = \text{length} \times \text{width}$





What is perimeter of a shape?

What is the same/different about these shapes?

Do we need to measure every side; how do we calculate the perimeter?

What does regular mean? Why are rectangles irregular?

Draw a rectilinear shape. What is its perimeter?

Will the formula $\text{area} = \text{length} \times \text{width}$ work for any shapes?

Draw a compound shape. How could you split this shape? Can you show how you would calculate the area of your shape?

Draw a random shape on square paper with no straight sides. Can you estimate the area of your shape?

What does approximate mean?