L.T. To measure the perimeter of simple 2-D shapes (y3)To measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres(y4)

## Definition/Support

Perimeter The perimeter is the distance all the way around the outside of a 2 D shape.**
To work out the perimeter, add up the lengths of all the sides.
Useful video:
https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zsr4k7h
Area To work out the area of a square or rectangle, multiply its height by its width. If the height and width are in cm , the area is shown in $\mathrm{cm}^{2}$. If the height and width are in m , the area is shown in $\mathrm{m}^{2}$.
A square with sides of 5 m has an area of $25 \mathrm{~m}^{2}$, because $5 \times 5=25$.
Useful video:
https://www.bbc.co.uk/bitesize/topics/zjbg87h/articles/zwqt6fr
Tlain activities: Complete the worksheet, finding the perimeter of the different rooms in Prospero's House, record your answers on the separate answer sheet.
Remember to show your calculations (your workings out!).

## Challenges

Once you've completed the worksheets, try and complete both the challenges below.

Prospero's library, where he practices magic, has 5 sides. 4 of the sides are: $2 \mathrm{~m}, 4 \mathrm{~m}, 2.5 \mathrm{~m}$ and 5 m . The perimeter is 16 m .
a.) What is the missing length?
b.) What is the area of the shape?

For each room in the house, using the measurements given, find the perimeter and the area.



