



# Maths Improvement Targets

Target: Calculating the surface area of a sphere, pyramid and cone

## What I need to be able to do

- Calculate the surface area of a sphere, pyramid and cone (including compound shapes)
- Solve real-life and geometric problems involving the surface area of a sphere, pyramid and cone
- Know how to write the correct units of measure for surface area

## Key resources to help me learn this topic



Maths Watch  
[www.mathswatch.co.uk](http://www.mathswatch.co.uk)



Corbett Maths  
[www.corbettmaths.com](http://www.corbettmaths.com)



Cambridge Maths  
[www.gcsemaths.cambridge.org](http://www.gcsemaths.cambridge.org)

## What I need to do to improve on this topic

### Maths Watch

1. Watch videos 169-171.
2. Pause the videos when required to complete the practise questions.
3. Make a revision card covering all the key learning points from the videos.

### Corbett Maths

1. Watch videos [313](#) and [314](#).
2. Make a revision card covering all the key learning points from the videos and including all the examples shown.

### Cambridge Maths

1. Read through the online topic notes on surface area found in:
  - Foundation
  - Chapter 23 (23.2a/b, 23.3b)
2. Make a revision card covering all the key learning points from the topic notes.

## What I need to do to check my understanding of this topic is secure

### Maths Watch

1. Complete the Interactive Questions by clicking on the orange button above the videos. Aim for at least 80%.
2. Print the worksheet by clicking the blue button above the videos. Complete, then bring in your work for marking.

### Corbett Maths

1. Complete the questions in the two Practise Questions workbooks [1](#) and [2](#).
2. Answers for these worksheets are not yet available on Corbett Maths so please bring them in for marking.

### Cambridge Maths

1. Complete all the worksheets on surface area, mark your answers using the solutions.
2. If any are incorrect, try to work out where you went wrong.
3. Click on the blue bar and answer the online questions.