

Circle, Cylinder and Sphere

Maths

Statement Code no: 11

Student:

Class:

At Junior Certificate level the student can:

Calculate the perimeter, area and volume of curved shapes

Date Commenced: / /

Date Awarded: / /

Learning Targets - This has been demonstrated by your ability to:

- | | | | |
|---|--------------------------|--------------------------|--------------------------|
| 1 Identify the following parts of a circle: centre, radius, diameter, arc, sector, chord, circumference and segment | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Calculate the length of the circumference of a circle | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Work out the length of the perimeter of a sector | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Calculate the area of a disc | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Calculate the volume of a cylinder | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Calculate the curved surface area of a cylinder | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Calculate the total surface area of a cylinder | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Calculate the volume of a sphere | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9 Calculate the surface area of a sphere | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10 Work out the curved surface area of a hemisphere | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Work begun | Work in progress | Work completed