**Chapter 5: Measurement**

**Chapter checklist: Success criteria**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **5A** | **1. I can find the perimeter of simple shapes.**  e.g. Find the perimeter of the following shape. |  |
| **5A** | **2. I can find the perimeter of composite shapes.**  e.g. Find the perimeter of the following shape. |  |
| **5B** | **3. I can find the circumference of a circle.**  e.g. Find the circumference of this circle both in exact form and rounded to two decimal places. |  |
| **5B** | **4. I can find the perimeter of a sector.**  e.g. Find the perimeter of this sector correct to two decimal places. |  |
| **5C** | **5. I can convert between units of area.**  e.g. Convert  to  and  to . |  |
| **5C** | **6. I can find the area of simple shapes.**  e.g. Find the area of this rectangle and triangle. |  |
| **5C** | **7. I can find the area of a trapezium or rhombus.**  e.g. Find the area of the following trapezium and rhombus. |  |
| **5C** | **8. I can find the area of a circle or sector.**  e.g. Find the area of this circle and sector correct to two decimal places. |  |
| **5D** | **9. I can find the perimeter and area of composite shapes.**  e.g. Find the perimeter and area of this composite shape, rounding answers to two decimal places. |  |
| **5E** | **10. I can find the surface area of a prism.**  e.g. Find the total surface area of this right rectangular prism. |  |
| **5E** | **11. I can find the surface area of a pyramid.**  e.g. Find the total surface area of this right square-based pyramid. |  |
| **5F** | **12. I can find the surface area of a cylinder.**  e.g. Find the surface area of this cylinder correct to two decimal places. |  |
| **5F** | **13. I can find the surface area of cylindrical portions.**  e.g. Find the total surface area of this quarter-cylinder, rounding to two decimal places. |  |
| **5G** | **14. I can convert between units of volume.**  e.g. Convert  to  and  to . |  |
| **5G** | **15. I can find the volume of an object with a constant cross-section.**  e.g. Find the volume of this solid object. |  |
| **5G** | **16. I can find the volume of a prism.**  e.g. Find the volume of this triangular prism. |  |
| **5H** | **17. I can find the volume of a cylinder.**  e.g. Find the volume of this cylinder correct to two decimal places. |  |
| **5H** | **18. I can find volume in terms of capacity.**  e.g. Find the capacity in litres of a cylinder with radius 20 cm and height  80 cm. Round to the nearest litre. |  |