Year 5 · Measurement: Rulers, Clocks and Cubes

Name: _____ Date: _____

Hi! This sheet helps you practise measuring length, area, volume, angles and time. Grab a ruler and take your time, always write the unit next to your number!

Warm-up

1. Convert 4 metres into centimetres.

2. Convert 350 cm into metres and centimetres.

3. Find the area of a rectangle that is 7 cm long and 5 cm wide.

4. Is an angle of 130° acute, right, obtuse or reflex?

Practice

5. A regular hexagon has sides of 8 cm each. What is its perimeter?

6. Mele fills a box with centicubes. Each layer has 4 cubes across and 3 cubes back. She stacks 5 layers. What is the volume of the box in cubic centimetres?

7. Tane's rugby practice at Avondale starts at 4:15 p.m. and finishes at 5:50 p.m. How long is the practice?

8. A vegetable garden bed is a rectangle 6 m long and 3 m wide. What is its area, and what is its perimeter?

9. An irregular leaf is drawn on a grid. It fully covers 9 whole squares and also covers 6 half squares. Each square is 1 cm². Estimate the area of the leaf.

10. Aroha makes two rectangles from tiles. Rectangle A is 2 cm by 6 cm. Rectangle B is 3 cm by 4 cm. Show that they have the same area but different perimeters.

Challenge

11. A door is opened so the angle between the door and the wall measures 115°. What is the size of the reflex angle on the other side of the door? Name both angle types.

12. Nikau starts a long bike ride at 10:45 p.m. and finishes at 1:20 a.m. the next day. Using 24-hour time, work out how long he rode for.