Year 6 · Measurement: Measure, Convert and Compare

Name: _____ Date: _____

Kia ora! This sheet helps you measure and estimate, swap between metric units, work out areas and volumes, find missing angles, and read the clock and timetables. Take your time and show your working.

Warm-up

1. Convert 350 cm into metres.

2. Convert 2.5 kg into grams.

3. Two angles sit on a straight line. One is 115°. What is the other?

4. Convert 1500 mL into litres.

Practice

5. A netball court section at Avondale is a rectangle 8 m long and 5 m wide. What is its area?

6. A right-angled triangle has a base of 6 cm and a height of 4 cm. What is its area?

7. A rectangular gift box measures 3 cm by 4 cm by 5 cm. Work out its volume.

8. Mere's backpack holds a drink bottle of 750 g and a lunchbox of 1 kg 250 g. What is the total mass in kilograms?

9. The bus leaves Avondale at 2:53 pm and reaches Britomart at 3:28 pm. How long is the trip?

10. Two straight lines cross. One of the four angles is 70°. Using vertically opposite angles, name the sizes of the other three angles.

Challenge

11. A fish tank is a rectangular prism 40 cm long, 25 cm wide and 30 cm high. (a) What is its volume in cm^3? (b) If 1000 cm^3 holds 1 litre of water, how many litres does the full tank hold?

12. At a point, three angles meet around the centre of a wheel. They measure 145°, x°, and 90°, and together they complete a full turn. Find x. Then say what fraction of a full turn 90° is.