# Solve problems involving the conversion of units of measure
# Worksheet

Mathematics

The diameter of a 5 pence coin is 9 mm. Aleeyah arranges 20 5 pence coins in a rectangular array.

Sketch 2 different arrays and calculate the area and
perimeter of the rectangles.

Give your answers in cm and cm².

**One stall at the market sells drinks for 65 pence per 100 ml.**

**Another charges £3.50 per 500 ml.**

a) **Hassan buys 600 ml of drink. How much would he pay at each stall?**
   **\*Hint: for the second stall, work out the cost per 100ml first.**

b) **Beka spends £17.50 on 2.5 litres of drink for her family. Which stall did she buy from?**

**65 p / 100 ml**

**£3.50 / 500 ml**

A farmer fences three rectangular fields.

**Field A (wire) – 8 m × 5 m**

**Field B (plastic) – 25 m × 30 m**

**Field C (wood) – 18 m × 23 m**

How much does she spend?

**Wire: 50p per m**

**Plastic: 75p per m**

**Wood: £1.20 per m**

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