# Unit 112: Construction operations and civil engineering operations

# Worksheet 37: Calculations – volume (tutor)

You should now understand how to calculate volume quantities.

1. Work out the following volumes of the garden plots to find out how much concrete would be needed – the depth of plots 1 to 4 is 100mm.

**Plot 1**

2.4m wide

4m long

Answer: 0.96m³

**Plot 2**

5.4m wide

8.9m long

Answer: 4.8m³

**Plot 3**

8.2m wide

9.8m long

Answer: 8m³

**Plot 4**

9.7m wide

6m long

Answer: 5.8m³

1. Work out the following volumes of the garden plots to find out how much concrete would be needed – the depth of plots 5 to 8 is 200mm.

**Plot 5**

6.9m wide

2.5m long

Answer: 3.45m³

**Plot 6**

6.4m wide

7.6m long

Answer: 9.72m³

**Plot 7**

9.2m wide

5.8m long

Answer: 10.67m³

**Plot 8**

9.7m wide

6.9m long

Answer: 13.38m³