Starting the job

When I start a new job in a garden I use string to mark out the perimeter of features.



Activity 6



Activity 8 The flower bed is to be 3 metres long, 1 metre wide and 450 mm high. John needs to order the bricks so first he works out the area of each side.
1 Area of long side = $3 \text{ m} \times 450 \text{ mm} = 3 \text{ m} \times$ m = m ²
2 Area of short side =
3 Total area = $2 \times \log sides + 2 \times short sides = \dots m^2$
There are approximately 60 bricks per m^2 .
4 Number of bricks = area × 60 = bricks.
To make sure that he has enough bricks, John buys 10% more than his estimate.
5 10% of = extra bricks.
6 Total number of bricks + =
Activity 9 Now I want to fill a different raised bed with soil. To work out the volume of soil I need I have to find the inside measurements of the bed.
Walls in a raised bed are one brick thick so to get the inside length, John has to take two brick widths from the outside measurement (one for each side). With all these different measurements
A brick is 102.5 mm wide so two bricks are $2 \times 102.5 = 205$ mm = 0.205 m.
This raised bed is 2.5 m long, 0.75 m wide and 400 mm high.
1 a The inside length = $2.5 \text{ m} - 0.205 \text{ m} = 2.295 \text{ m}$ = to 2 decimal places.
b Inside width = $m - 0.205 m = m$
= m correct to 2 decimal places.
c Volume of soil = inside length × inside width × height = m^3
2 How much soil will be needed for my new raised bed 3 m long, 1 m wide and 450 mm high? Remember
Use separate paper and follow the method shown in question 1. Volume = length \times width \times height