# Unit 112: Construction operations and civil engineering operations

# Worksheet 34: Concrete – calculations (tutor)

Concrete is ordered in cubic metres (m³). This is also known as volume.

To calculate volume, the following formula is used: Length (L) x Width (W) x Depth (D)

Example:

1m (D)

1m (W)

2m (L)

Length 2m x Width 1m x Depth 1m = 2m³

1. Now complete these calculations and write your answers in the table.

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| --- | --- | --- | --- |
| **Calculations** | **Answers m³** | **Calculations** | **Answers m³** |
| 1000mm x 500mm x 50mm | 0.025 | 1.2m x 2m x 0.05m | 0.12 |
| 2000mm x 1000mm x 100mm | 0.2 | 2m x 3m x 0.15m | 0.9 |
| 1500mm x 1200mm x 150mm | 0.27 | 5m x 5m x 0.2m | 5 |
| 1200mm x 1400mm x 100mm | 0.168 | 45m x 5m x 0.075m | 16.875 |