Unit 108: Wood occupations

# Worksheet 23: Arithmetic and area and cube (learner)

1. Fill in the missing information for imperial and metric measurements.

|  |  |  |
| --- | --- | --- |
| **Imperial** |  | **Metric (mm)** |
| 3’ (3 feet) | = |  |
|  | = | 2438.4mm |
| 4’ (4 feet) | = |  |
|  | = | 203.2mm |
| 4” (4 inches) | = |  |
|  | = | 1000mm |

1. Complete the following calculations.

|  |  |
| --- | --- |
| **Scenario:** | **How much is required?** |
| A carpenter is fitting flooring to a space measuring 4800mm x 3600mm. The TGV boards supplied are 1200mm x 600mm fitted. How many boards will be required to cover the floor? |  |
| A rectangular room has two walls measuring 6m and a diagonal measurement of 10m.  What is the overall area of the room? |  |
| How many cubic metres are 20 lengths of: 3m x 150mm x 50mm timber? |  |
| A room has two sections. A rectangular section 2.6m x 2.8m and a triangular section with a right angle 4.6m x 3.2m x 5.6m.  Which section is larger?  What is the total floor area? |  |
| If the above flooring is 20mm thick, how many cubic metres will be required? |  |

1. What is the area in metres of the floorspace shown?

3200mm

1100mm

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3200mm

1100mm