

UNIT 7 Mensuration

Mental Tests

Mental Test 7.1

1. What is 823 mm in metres? (0.823 m)
 2. What is 36 inches in feet? (3 feet)
 3. How many pints are there in 4 gallons? (32 pints)
 4. Convert 7 inches to cm. (17 or 18 cm)
 5. Convert 16 km to miles. (10 miles)
 6. Convert 40 litres to pints. (70 pints)
 7. What is the area of a rectangle, 7 cm by 5 cm? (35 cm²)
 8. A triangle has area 20 cm². If its base is 5 cm, what is its height? (8 cm)
 9. What is the volume of a cube of side 4 cm? (64 cm³)
 10. What is the perimeter of a circle of radius 5 cm? Leave your answer in terms of π . (10π cm)
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Mental Test 7.2

1. What is 2.37 m in millimetres? (2370 mm)
 2. What is 4 feet in inches? (48 inches)
 3. How many gallons is 40 pints? (5 gallons)
 4. Convert 10 inches to centimetres. (25 cm)
 5. Convert 15 miles to kilometres. (24 km)
 6. Convert 10 kg to lbs. (22 lbs)
 7. What is the area of a triangle, base 12 cm and height 4 cm? (24 cm²)
 8. A rectangle has area 35 cm². If one side has length 5 cm, what is the length of the other side? (7 cm)
 9. What is the volume of a cuboid of sides 2 cm, 3 cm and 5 cm? (30 cm³)
 10. What is the area of a circle of radius 4 cm? Leave your answer in terms of π . (16π cm²)
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