



Year 6 Worksheet 6: Measurement and Geometry

Level: Beginner

1. Convert 1 metre to centimetres.
2. What is the perimeter of a rectangle: 8cm by 5cm?
3. How many millilitres in 2 litres?
4. Name a shape with 5 sides.
5. How many degrees in a right angle?
6. What is the area of a square with side 6cm?
7. Convert 2500g to kg.
8. Name a 3D shape with a circular face.
9. What's the volume of a 2cm ' 3cm ' 4cm cuboid?
10. Draw and label a triangle with one right angle.

[Use the space below to work out your answers. Show all your working.]



Year 6 Worksheet 6: Measurement and Geometry

Level: Intermediate

1. Find the area of a rectangle: $9\text{cm} \times 7\text{cm}$
2. Measure an angle of 45° using a protractor.
3. Convert 3.6kg to grams.
4. What is the perimeter of a triangle with sides 6cm , 7cm , 9cm ?
5. Convert 145cm into metres.
6. Identify parallel and perpendicular lines in a shape.
7. How many degrees in a straight line?
8. Convert 3.5L into ml .
9. Find the missing angle in a triangle where two angles are 65° and 55° .
10. Volume of a cuboid with dimensions 5cm , 3cm , 2cm ?

[Use the space below to work out your answers. Show all your working.]



Year 6 Worksheet 6: Measurement and Geometry

Level: Difficult

1. Find the area of a triangle: base 12cm, height 8cm.
2. Draw a net for a cube.
3. Convert 1245ml to litres.
4. Solve: perimeter of a regular hexagon with 6cm sides.
5. Volume of cube with 7cm sides?
6. Calculate the missing angle in a quadrilateral.
7. Convert 3.45km to metres.
8. Draw a circle with a radius of 4cm.
9. Area of compound shape combining two rectangles (8'5 and 3'4)?
10. Estimate and then calculate: $4.8\text{m} \times 2.3\text{m}$.

[Use the space below to work out your answers. Show all your working.]



Year 6 Worksheet 6: Measurement and Geometry

Level: Super Challenging

1. Draw and label a net for a triangular prism.
2. Solve: Volume of a box $12.5\text{cm} \times 4.2\text{cm} \times 6\text{cm}$.
3. Explain the difference between perimeter and area.
4. Convert $5,560\text{m}$ to km .
5. Use a scale: If $1\text{cm} = 5\text{m}$, what does 6.4cm represent?
6. Solve: Find area of shaded triangle within a square.
7. Write a word problem involving volume and solve it.
8. Find angle x in a polygon where interior angles total 900° and 5 angles are 140° .
9. A cuboid has volume 240cm^3 . Height is 5cm , width 6cm . Find length.
10. A circle has diameter 10cm . Find radius and estimate circumference.

[Use the space below to work out your answers. Show all your working.]