Year 9 Circles, Area and Volume – Foundation

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Year 9 · Maths · Circles, Area, Surface Area and Volume · Level 1 Foundation · 10 questions

Name _____ **Date** _____

A. Circle, unit and volume skills

1. Find the area of a circle with radius 7 cm. Use π = 3.14.

Answer _____

2. Find the area of a circle with diameter 6 m. Use π = 3.14.

Answer _____

3. Find the circumference of a circle with diameter 23 m. Give your answer in terms of π.

Answer _____

4. Find the circumference of a circle with radius 12 mm. Use π = 3.14.

Answer _____

5. Convert 120 grams to milligrams. Answer _____

6. Convert 0.36 gigalitres to megalitres. Answer _____

7. A prism has a volume of 130 cm^3 and a cross-section of area 26 cm^2. How long is the prism?

Answer _____

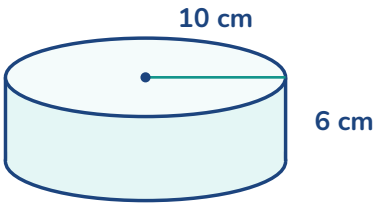
8. How many planes of symmetry does a cuboid with two square ends that is not a cube have?

Answer _____

9. A circle has an area of 50.24 cm^2. Use $\pi = 3.14$ to find its radius.

Answer _____

10. A cylinder has radius 10 cm and height 6 cm. Find its volume. Use $\pi = 3.14$.



Answer _____