Year 8 Circles, Area and Volume – Foundation

HappyKids.fit

Year 8 · Maths · Circles, Area and Volume · Level 1 Foundation · 10 questions

Name _____ **Date** _____

A. Circle and area skills

1. Find the circumference of a circle with diameter 19 cm. Use π = 3.14.

Answer _____

2. Find the circumference of a circle with radius 12 cm. Use π = 3.14.

Answer _____

3. A circular plate has a diameter of 25 cm and a circumference of 78.5 cm. Work out circumference ÷ diameter. What is this number called?

Answer _____

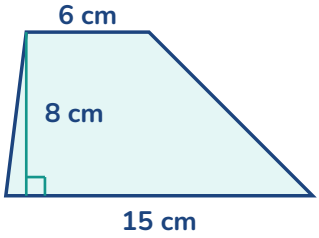
4. A kilometre is approximately 5/8 of a mile. About how many miles is 72 km?

Answer _____

5. A mile is approximately 1.6 km. About how many kilometres is 58 miles?

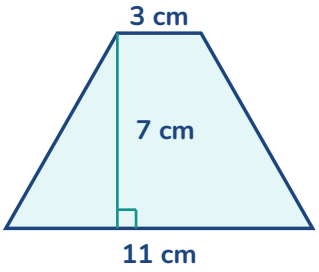
Answer _____

6. A trapezium has parallel sides of 6 cm and 15 cm and a perpendicular height of 8 cm. Find its area.



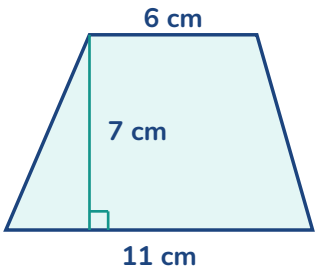
Answer _____

7. A trapezium has parallel sides of 3 cm and 11 cm and a perpendicular height of 7 cm. Find its area.



Answer _____

8. A trapezium has parallel sides of 6 cm and 11 cm and a perpendicular height of 7 cm. Find its area.



Answer _____

9. A hexagonal prism has 18 edges and 8 faces. Use Euler's formula V – E + F = 2 to find the number of vertices.

Answer _____

10. A tetrahedron has 4 vertices and 6 edges. Use Euler's formula V – E + F = 2 to find the number of faces.

Answer _____