

Mathematics: Area Calculations

<p>Circle Area = πr^2</p> <p>(r = radius) (Circumference = $2\pi r$)</p>	<p>Area of a Square = s^2</p> <p>(s = side length) (Perimeter = $4s$)</p>
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1. A square playground has a perimeter of 1200 meters. Calculate the area of the square.
2. The speed of a car is 60 km/h. What is the distance it travels in 2 hours?
3. The speed of a train is 100 km/h. What is the distance it travels in 3 hours?
4. What is the area of a square with a side length of 5 cm?
5. The area of a rectangle is 120 cm². If the length is 10 cm, what is the width?
6. The area of a circle is 150 cm². What is the radius?
7. A square has a side length of 8 cm. What is its perimeter?
8. A circle has a circumference of 100 cm. What is its area?
9. Calculate the area of a square with a side length of 10 cm.
10. A circle has a radius of 5 cm. What is its area?
11. A square has a side length of 12 cm. What is its area?
12. A circle has a diameter of 10 cm. What is its area?
13. A square has a side length of 15 cm. What is its area?
14. A circle has a circumference of 100 cm. What is its area?
15. A square has a side length of 18 cm. What is its area?