Instructions

Complete the following geometry problems. Show your work where needed!

1. A triangle has sides of 5 cm, 6 cm, and 7 cm. What is the perimeter of the triangle?

2. A circle has a diameter of 14 cm. What is its circumference? (Use π = 3.14)

3. A rectangle has a length of 8 cm and a width of 5 cm. What is its area?

4. A square has an area of 64 cm². What is the length of one side?

5. If a right triangle has legs of 3 cm and 4 cm, what is the length of the hypotenuse?

6. What is the volume of a cube with a side length of 6 cm? Explain your answer.

7. If a pizza is cut into 8 equal slices and you eat 2 slices, what fraction of the pizza did you eat?

8. A rectangular prism has dimensions of 4 cm x 5 cm x 6 cm. What is its surface area? Show your steps.