Name _____ Geometry Word Problems

Surfing

1. A surfer is riding a wave with a triangular shape. If the base of the wave measures 15 meters and the height is 3 meters, calculate the area of the wave's face in square meters.

2. A surfer is riding a circular wave with a radius of 8 meters. Determine the circumference of the wave's crest in meters.

3. A surfing competition features a rectangular pool with dimensions 25 feet by 10 feet. Calculate the perimeter of the pool in feet.

4. A surfer is practicing on a square surfboard with sides measuring 6 feet each. Calculate the area of the surfboard in square feet.

5. A surfer is riding on a semi-circular ramp with a radius of 12 feet. Determine the length of the ramp's curve in feet.

6. A surfing event is held in a circular pool with a diameter of 30 meters. Calculate the area of the pool's surface in square meters.

7. A surfer is carving on a triangular wave with an equilateral triangle shape. If each side of the wave measures 10 meters, calculate the perimeter of the wave's face in meters.

8. A surfboard shop is designing a cylindrical surfboard rack with a radius of 0.6 meters and a length of 2 meters. Calculate the volume of the surfboard rack in cubic meters.

9. A surfer is riding on a quarter-pipe with a semi-circular shape and a radius of 6 meters. Determine the circumference of the quarter-pipe in meters.

10. A surf competition includes a rectangular wave tank with dimensions 20 meters by 15 meters. Calculate the wave tank's area in square meters.

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