

**Worksheet: Solving for Area Problems**

1. A rectangular garden has a length of 15 meters and a width of 8 meters. Calculate the area of the garden. How much soil is needed to cover the garden if the soil is 10 centimeters deep?

2. A square tile has a side length of 20 centimeters. Calculate the area of the tile. How many tiles are needed to cover a square floor that is 2 meters on each side?

3. A rectangular field has a length of 100 meters and a width of 50 meters. Calculate the area of the field. How much water is needed to irrigate the field if the water is 5 centimeters deep?

4. A square tile has a side length of 15 centimeters. Calculate the area of the tile. How many tiles are needed to cover a square floor that is 1.5 meters on each side?

5. A rectangular garden has a length of 12 meters and a width of 6 meters. Calculate the area of the garden. How much soil is needed to cover the garden if the soil is 8 centimeters deep?