

**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 sold by bags of 25 square meters each? How many bags are needed?

2. A square tile has a side length of 10 centimeters. Calculate the area of the tile. How many tiles are needed to cover a square floor that is 2 meters on each side? How much area is covered by the tiles?

3. A rectangular field has a length of 200 meters and a width of 150 meters. Calculate the area of the field. How much water is needed to irrigate the field if the water is sold by tanks of 5000 liters each? How many tanks are needed?

4. A square tile has a side length of 12 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? How much area is covered by the tiles?

5. A rectangular garden has a length of 12 meters and a width of 7 meters. Calculate the area of the garden. How much soil is needed to cover the garden if the soil is sold by bags of 20 square meters each? How many bags are needed?