

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 1 kg of soil covers 1 m²?

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 by 2 meters?

3. A rectangular room is 4 meters long and 3 meters wide. Calculate the area of the room. How much carpet is needed to cover the room?

4. A square tile has a side length of 5 centimeters. Calculate the area of the tile. How many tiles are needed to cover a square floor that is 1 meter by 1 meter?

5. A rectangular garden is 12 meters long and 6 meters wide. Calculate the area of the garden. How much fertilizer is needed to cover the garden if 1 kg of fertilizer covers 10 m²?