

5-1 Word Problem Practice

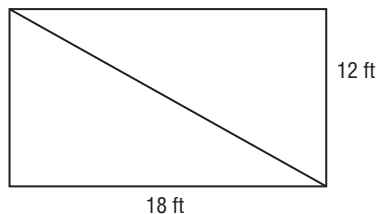
Perimeter and Area

- 1. PLANTERS** The school garden club is building triangular planters to put in front of the building. The plans for the planters are shown below. How many feet of lumber will be needed for each planter?

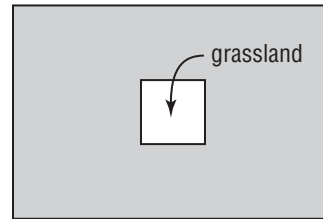


- 2. BORDERS** Mrs. Peters' classroom is 14 feet by 18 feet. She wants to put a border around all the walls of her classroom just below the ceiling. How many feet of border does she need to buy?

- 3. MURAL** Paulo is painting a mural on a large wall. To make the background for the mural, Paulo plans to divide the wall into two right triangles as shown below. He needs to find the area of each triangle so he knows how much paint to buy. What is the area of each right triangle if the wall is 18 feet long and 12 feet high?



- 4. FARMING** A farmer has plans to leave part of his cornfield as grass for erosion control. The grass section will be a 12-foot square. The dimensions of the cornfield are 60 feet long by 40 feet wide. What is the actual square footage planted in corn?



- 5. CONSTRUCTION** The City of Detroit wants to put a fence around part of the city park to make a playground. The city has 120 feet of fencing for the playground.
- What dimensions of the playground will give the maximum area?
 - What is the area of the playground with the dimensions found in part a?