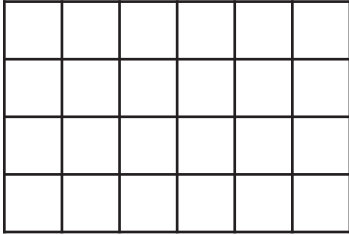


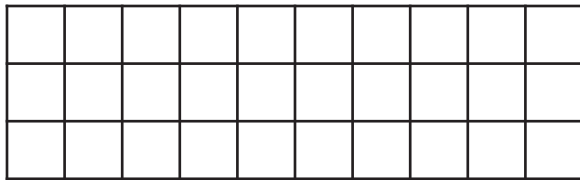
Figuring the Area of Rectangles

Directions: For each rectangle below, find the area in 'squares,' and then describe your reasoning.

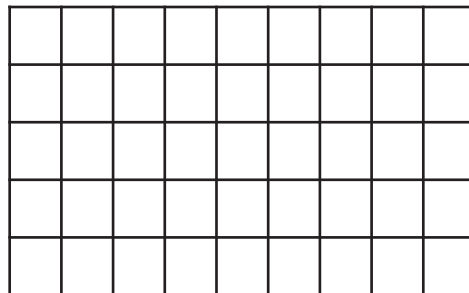
1. What is the area of the rectangle below? How did you figure it out?



2. What is the area of the rectangle below? How did you figure it out?

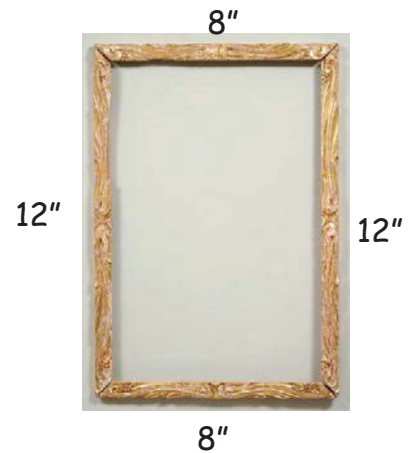


3. What is the area of the rectangle below? How did you figure it out?



Directions: For each rectangle below, find the area, and then describe your reasoning. You may want to use graph paper to help. Remember to label your answer with the correct units of measure (square inches or square feet).

4. What is the area of the picture frame on the right? How did you figure it out?



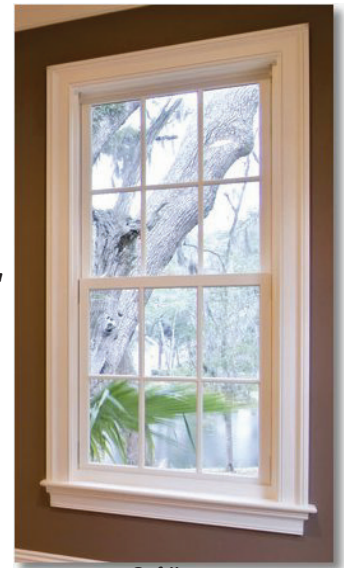
5. The rectangle on the right has a width of 3 inches. The length is four times as long. Label the measurement of each side. Then figure out the area. How did you figure it out?



6. A rectangle has a width of 11 inches. Its length is 4 times that measurement. Draw the rectangle. Then figure out the area. How did you figure it out?

7. About how many square inches of glass are needed for the window on the right? How did you figure it out?

36"



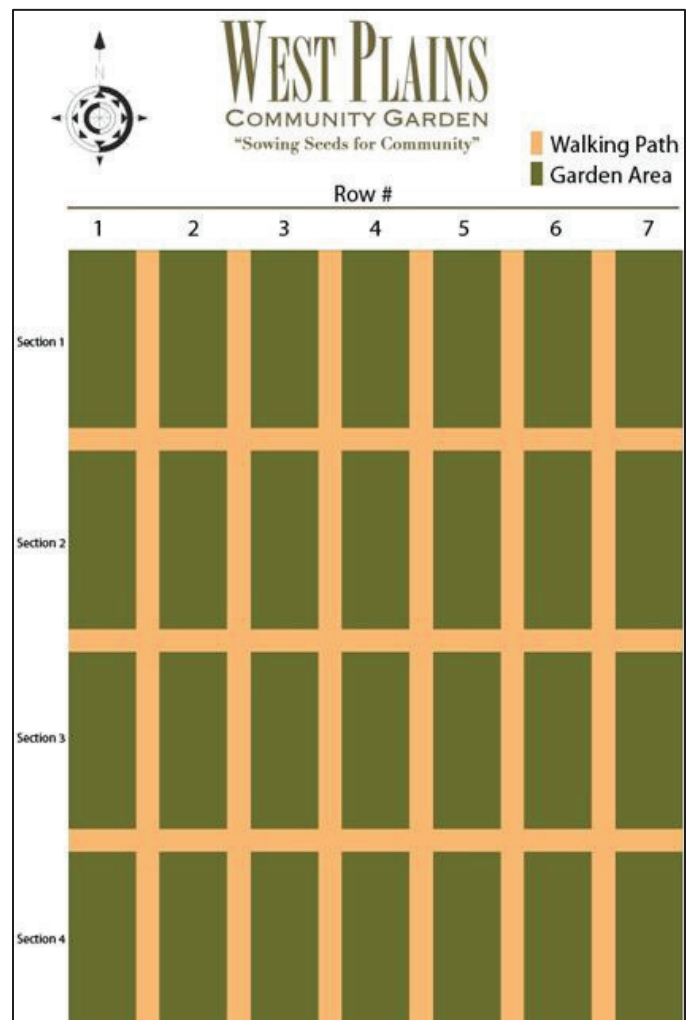
24"



8. The rectangular upright garden on the left has a width of 30 inches. The length is 6 inches longer. How much growing space is there? How did you figure it out?

9. A rectangle has a length of 18 inches. Its width is only half that size. Draw the rectangle. Then figure out the area. How did you figure it out?

10. Imagine that you are part of a committee in charge of designing a community garden. The total width of the garden area is 88 feet and the length is about 62 feet long. The paths are about 3 feet wide. Part of the garden areas will be planted in vegetables and the other in flowers. Design what you think would be the best combination, then determine how much **area** would be reserved for flowers vs. vegetables. Describe how you figured your answer.



11. How does your answer compare to others' in class?