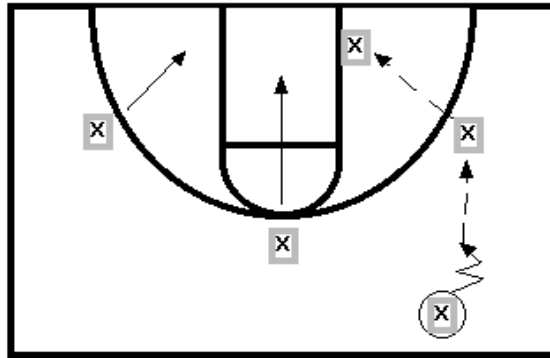


Quiz: Areas of Polygons

Squares, Rectangles, Parallelograms and Right Triangles

1. A farmer wants to build a fence around his vegetable garden. His garden is 10 feet in length and 8 feet in width. What is the area that the fence will enclose?

2. A basketball coach diagramed a play on the chalk board. If the chalk board was 4 feet long and 3 feet tall, what is the area that the coach must cover to erase the entire chalk board?



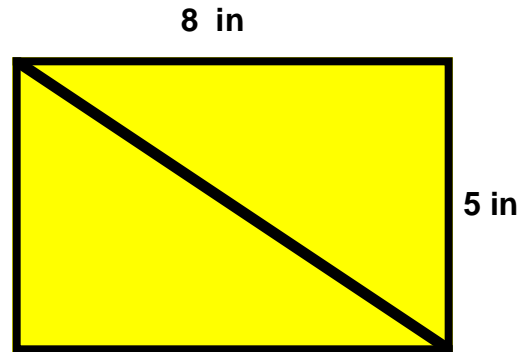
3. A Northern Michigan University student bought a poster at the University Center.

She only has a 4 ft^2 opening on her dorm room wall. If the Northern Michigan

Women's Basketball poster is 2 feet by 3 feet, does the student have enough space to hang the poster in her dorm room?



4. A diagonal was drawn from one corner of a rectangle to the opposite corner of the rectangle, forming two triangles. What is the area of each of the triangles? What is the area of the rectangle?



5. A construction worker built two garages during the summer. One of the garages was a rectangle that was 8 feet by 12 feet. The other garage was 10 feet by 10 feet. Which garage had the biggest area?

6. How is the area of a parallelogram affected if the sides are doubled? If they are cut in half?

