

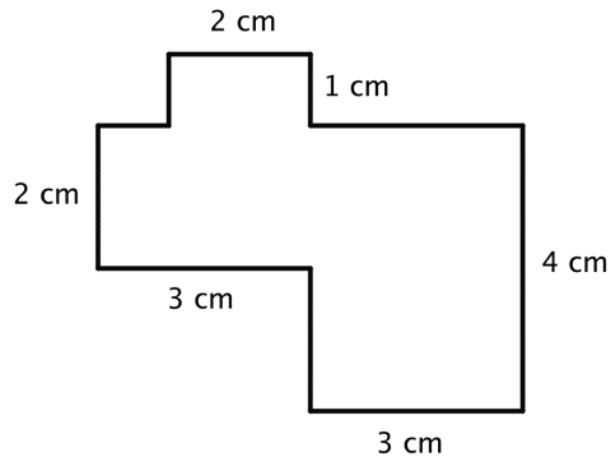
NAME \_\_\_\_\_

DATE \_\_\_\_\_

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## Unit 3, Lesson 6: Estimating Areas

1. Find the area of the polygon.



2. a. Draw polygons on the map that could be used to approximate the area of Virginia.



b. Which measurements would you need to know in order to calculate an approximation of the area of Virginia? Label the sides of the polygons whose measurements you would need. (Note: You aren't being asked to calculate anything.)

3. Jada's bike wheels have a diameter of 20 inches. How far does she travel if the wheels rotate 37 times?

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(from Unit 3, Lesson 5)

4. The radius of the earth is approximately 6400 km. The equator is the circle around the earth dividing it into the northern and southern hemisphere. (The center of the earth is also the center of the equator.) What is the length of the equator?

(from Unit 3, Lesson 4)

5. Here are several recipes for sparkling lemonade. For each recipe describe how many tablespoons of lemonade mix it takes per cup of sparkling water.

Recipe 1: 4 tablespoons lemonade mix and 12 cups of sparkling water

Recipe 2: 4 tablespoons of lemonade mix and 6 cups of sparkling water

Recipe 3: 3 tablespoons of lemonade mix and 5 cups of sparkling water

Recipe 4:  $\frac{1}{2}$  tablespoon of lemonade mix and  $\frac{3}{4}$  cups of sparkling water

(from Unit 2, Lesson 1)