

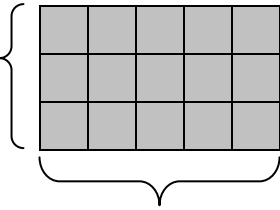
Lesson 6.1C ~ Area with Fractions

Name _____ Period _____ Date _____

Objects can be drawn to scale. For example, the rectangle below is a drawing of a sandbox which is drawn to scale. This means that while it looks like each portion of the side is about $\frac{1}{4}$ inch, each $\frac{1}{4}$ inch on the drawing is equal to $\frac{1}{2}$ foot on the actual sandbox.

To find the area of the actual sandbox use the scale:

$$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 1\frac{1}{2} \text{ feet}$$



Scale:

$$\frac{1}{4} \text{ inch } \overline{\hspace{1cm}} = \frac{1}{2} \text{ foot}$$

$$\text{Area} = 2\frac{1}{2} \times 1\frac{1}{2} = 3\frac{3}{4} \text{ square feet}$$

$$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 2\frac{1}{2} \text{ feet}$$

Measure each shape to the nearest quarter inch. Find each area using the scale given.

1.

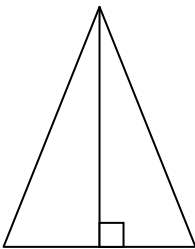


Scale:

$$\frac{1}{4} \text{ inch} = \frac{3}{4} \text{ foot}$$

area = _____

2.



Scale:

$$\frac{1}{4} \text{ inch} = 2\frac{1}{4} \text{ yards}$$

area = _____

3.

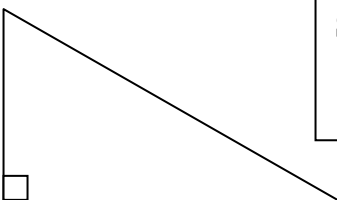


Scale:

$$\frac{1}{4} \text{ inch} = 3\frac{1}{3} \text{ inches}$$

area = _____

4.



Scale:

$$\frac{1}{4} \text{ inch} = 1\frac{1}{2} \text{ feet}$$

area = _____