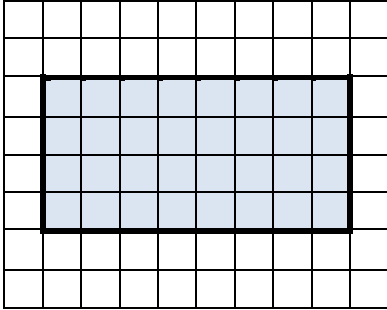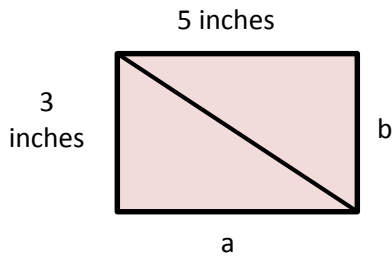**#1.**

How many ways can you divide this shape into 2 equal parts?

When the figure is divided how would the area of the parts combined compare to the area of the whole figure?

#2.

5 inches

3 inches

b

a

With the given dimensions of this rectangle:
- What is the measure of side a?
- What is the measure of side b?

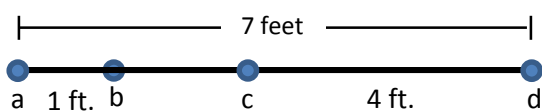In finding the area of either triangle in the drawing:
- What is the measure of the base?
- What is the measure of the height?

#3.

p

q

r

2"

3"

If you know the length of $\overline{pq}$ is 2" and the length of $\overline{qr}$ is 3", what is the length of $\overline{pr}$?

#4.

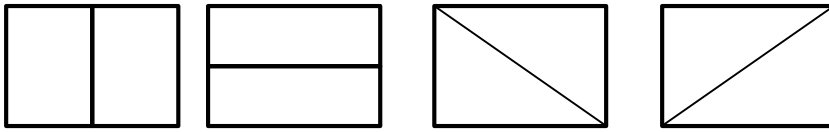

7 feet

a   1 ft. b   c   4 ft.   d

If you know the length of $\overline{ab}$ = 1 foot, the length of $\overline{cd}$ = 4 feet and the length of $\overline{ad}$ = 7 feet, what is the length of $\overline{bc}$?

Answer Sheet for Lesson 2 Introduction

#1.

   The area of the parts combined would equal the area of the whole figure.

#2. Side a = 5 inches
     Side b = 3 inches

     Base = 5 inches
     Height = 3 inches

#3. Length of $\overline{pr}$ = 5 inches
     (Add the lengths of $\overline{pq}$ and $\overline{gr}$ to find the length of $\overline{pr}$)

#4. Length of $\overline{bc}$ = 2 feet

   $\overline{ab} + \overline{bc} + \overline{cd} = \overline{ad}$

   1 ft + $\overline{bc}$ + 4 ft = 7 ft

   1 ft + 4 ft + $\overline{bc}$ = 7 ft

   5 ft + $\overline{bc}$ = 7 ft

   $\overline{bc}$ = 2 ft