

1

The distance between two cities is 50 miles. The scale on the map is 1 inch = 50 miles. How long is the distance between the two cities on the map?

A)  $5\frac{1}{2}$  in  
 B) 6 in  
 C) 6 in  
 D) 6 in  
 E) 6 in

4

The scale on a rectangular billboard is  $\frac{1}{8}$  inch = 1 foot. The length of the billboard is 34 feet long. What is the measure of the length of the billboard on the scale?


A) 3.5 in  
 B) 3.75 in  
 C) 4.25 in  
 D) 4.5 in  
 E) 4.75 in

7

To advertise a new burger, the restaurant is building a billboard that is 16 feet long. The scale on the billboard is 1 foot =  $\frac{9}{16}$  inch. What will be the length of the billboard in inches?

A) 12 feet  
 B) 7 feet  
 C) 16 feet  
 D) 8 feet  
 E) 9 feet

10



Abraham Lincoln was featured on a poster that uses a scale of 1 inch =  $\frac{4}{9}$  feet. If the height of Lincoln on the poster is  $14\frac{1}{4}$  inches, what is Lincoln's actual height?

A) 6'5" to win a bet  
 B) 6'4" to get on the news  
 C) 6'3" to raise money for charity  
 D) 6'2" to impress everyone  
 E) 6'1" to get out of the house

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# SCALE DRAWINGS & MODELS

## MATH LIB ACTIVITY

Created by: ALL THINGS ALGEBRA

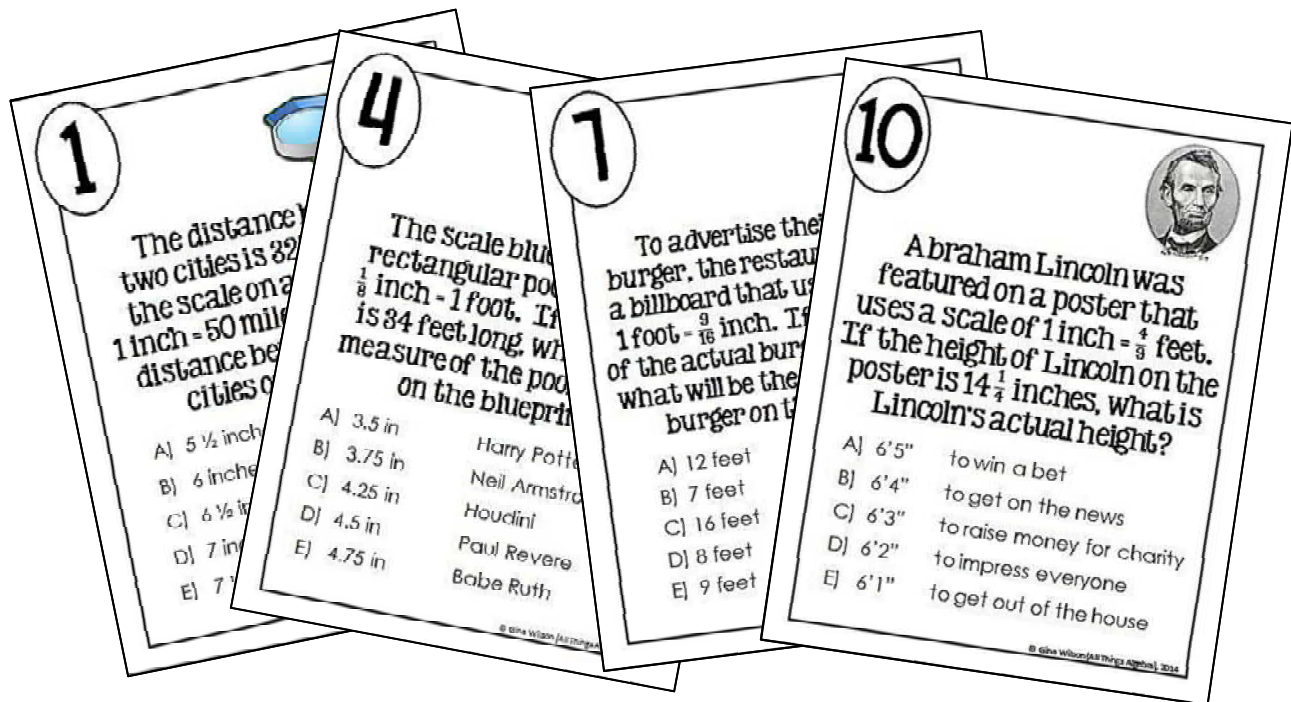
# Scale Drawings & Models

## “Math Lib” Activity!

**Objective:** To practice solving scale drawing and model problems using scale factors and proportions.

**Activity Directions:** Print and post the ten stations around the room. Give each student the worksheet to record their work as they travel to the stations. Group students (I typically do groups of 3) and assign to a starting problem. Set the timer for 3-4 minutes (more if needed). Students solve the problem at the station, then look for their answer and record the piece to the story. When the timer goes off, they move to the next station.

You are able to edit each slide to change the teacher name and all story elements to personalize for your students. PowerPoint is required to edit the slides. They enjoy seeing which one of their teachers is the “star” of the story!



**10 Stations & Student Worksheet Included**  
**You can change ALL story elements!**