

SC1

The distance between Ashville and Jackson is 25 miles.

On a map Ashville and Jackson are 4 centimeters apart.

What is the scale of the map?

- a. 1 cm = 8 miles
- b. 1 cm = 100 miles
- c. 1 cm = 5 $\frac{1}{2}$ miles
- d. None of the above

Explain your choice.

SC2

Holly has a photograph that has a width of 8 cm and a length of 10 cm.

She enlarged the photograph so that the width is now 10 cm.

What is the length of her enlarged photograph?

Show your work.

SC3

Noelle enlarged a photo of her dog.

The original photo of Noelle's dog was 3 inches by 5 inches. The enlarged photo is 4.5 inches by 7.5 inches.

Noelle enlarged a photo of her soccer team using the same enlargement settings. The original photo of Noelle's soccer team is 5 inches by 7 inches.

What is the size of the enlarged copy of the soccer team?

Show your work.

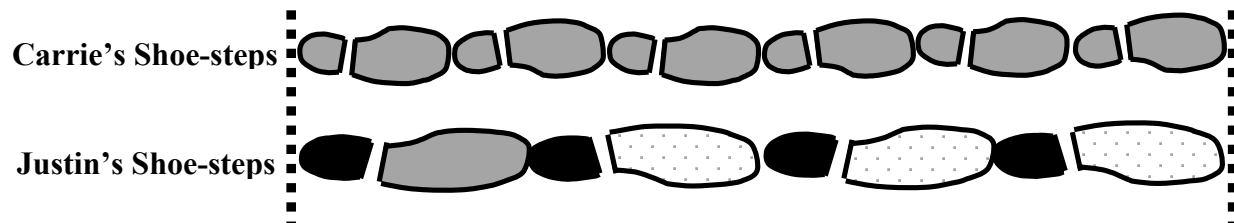
SC4

Carrie measured the distance from the front door to the flagpole by placing one shoe in front of the other.

Carrie counted 27 shoe-steps from the door to the flagpole.

Justin wonders how many of his shoe-steps are between the front door and the flagpole.

Use the picture below to help Justin determine the number of his shoe-steps between the front door and the flagpole.



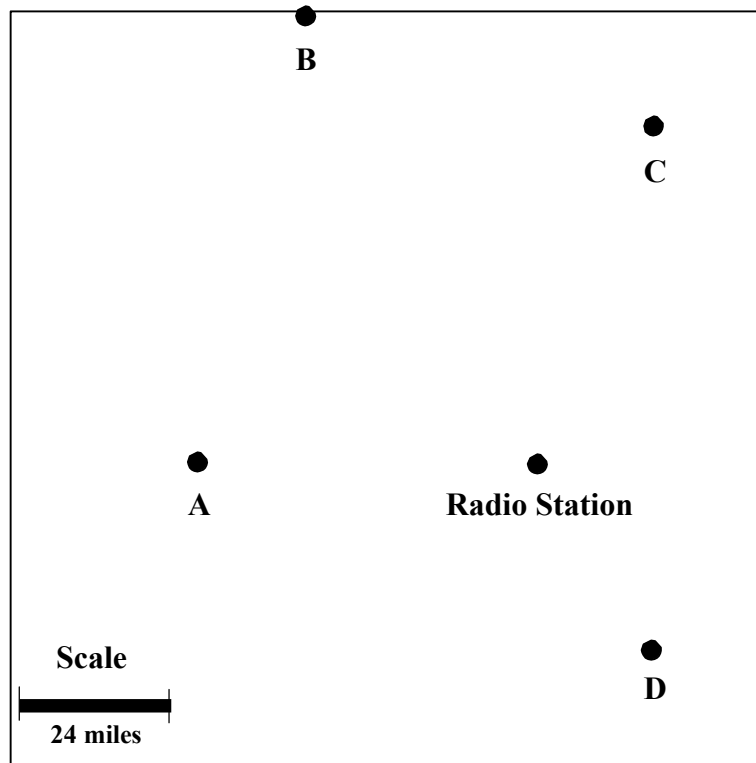
Show your work

SC5

A radio signal can be heard 60 miles or less away from the radio station.

Which location(s) (A, B, C, D) will be able to hear the radio signal?

Explain your answer.



SC6

Jack built a scale model of the Jackson Building.

His model is 4 feet tall. The Jackson Building is 1476 feet tall.

One foot on Jack's model equals how many feet on the real Jackson building?

Show your work.

SC7

Jack built a scale model of the Jackson Building.

His model is 2.25 feet tall. The Jackson Building is 1476 feet tall.

One foot on Jack's model equals how many feet on the real Jackson building?

Show your work.

SC8

Jack built a scale model of the Elm Street Building.

His model is $4\frac{1}{2}$ feet tall.

The scale for Jack's model is 1 foot to 218 feet.

How tall is the real Elm Street Building?

Show your work.

SC9

A model of a farm tractor has a scale of 1 foot to 8 feet.

The height of the model is 13 inches.

What is the height of the real tractor?

Show your work.

SC10

A model of a farm tractor has a scale of 1 foot to 64 feet.

The height of the model is 1.5 inches.

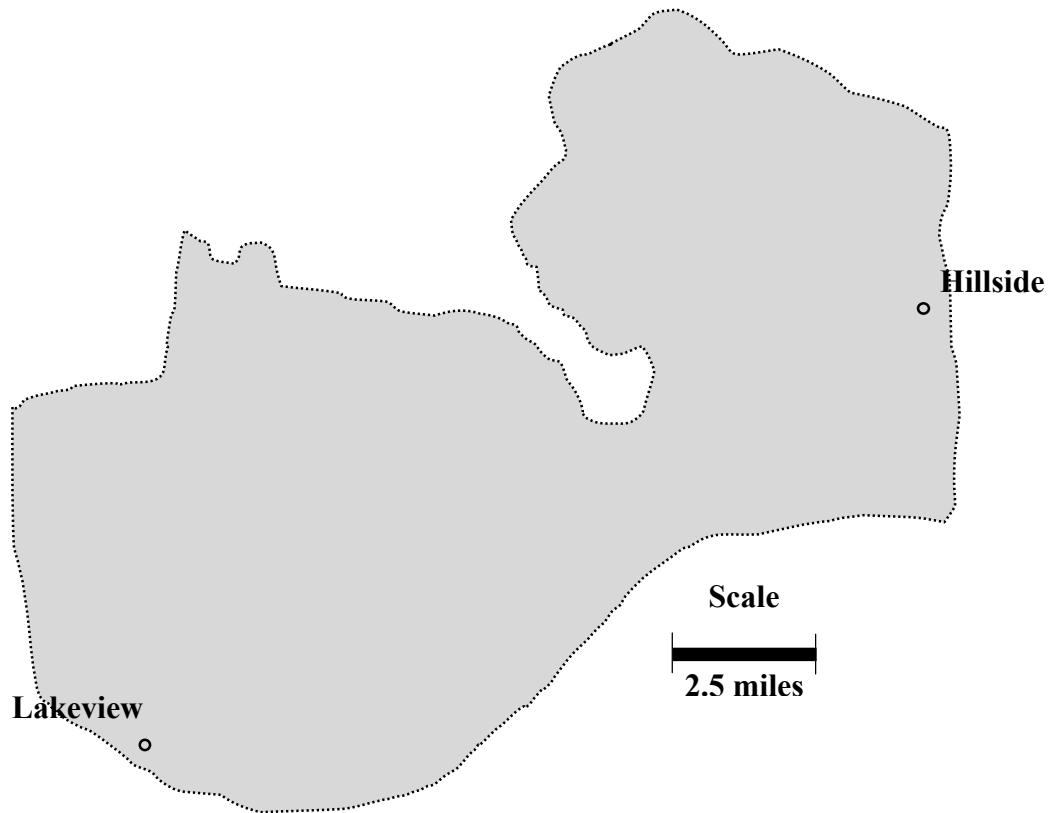
What is the height of the real tractor?

Show your work.

SC11

What is the distance between Lakeview and Hillside?

Explain your answer.



OGAP SC

Name _____

Date
