Name: _____ Date: _____

Measure a Trip With a Strip of Paper

Circle group

A map is small, but the world is big. So a map has a scale. The scale is a short line. It shows how far a real distance is. One little bar might stand for one mile.

You can use the scale to measure a trip.

First, find two places on the map. Next, lay a strip of paper between them. Mark the paper at both places. Then slide the paper next to the scale. Count the bars that fit.

If four bars fit, the trip is four times as far as one bar.

Try it on a map of your town!

Questions

1. What does a map scale show?

_____

_____

2. What do you lay between the two places?

_____

_____

3. What do you do after you mark the paper?

_____

_____

4. If four bars fit, how far is the trip?

_____

_____

5. Why does a map need a scale?

_____

_____

Words to know

scale: a part of a map that shows how far real places are
distance: how far it is from one place to another
measure: to find out how long or how far something is

mark: to make a small sign on something

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

Measure a Trip With a Strip of Paper

Triangle group

A map is small, but the real world is big. So a map has a scale to help you. The scale is a short line that shows how far a real distance is. It might say that one little bar stands for one mile.

You can use the scale to measure a trip. Here is how.

First, find two places on the map. Next, lay the edge of a strip of paper between them. Mark the paper at both places. Then slide the paper down next to the scale. Count how many bars fit between the two marks.

Each bar is a set distance on the ground. If four bars fit, the trip is four times that far.

Try it on a map of your town. See how far it is from your school to the park!

Questions

1. What does a map scale show?

_____

_____

2. What do you lay between the two places on the map?

_____

_____

3. What do you do after you mark the paper?

_____

_____

4. If four bars fit, how far is the trip?

_____

_____

5. Why does a map need a scale?

_____

_____

Words to know

scale: a part of a map that shows how far real places are
distance: how far it is from one place to another
measure: to find out how long or how far something is
mark: to make a small sign on something

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

Measure a Trip With a Strip of Paper

Square group

A map is small, but the real world is enormous. That is why a map includes a scale to help you understand it. The scale is a short line that shows how far a real distance is. It might say that one little bar stands for one mile.

You can use the scale to measure a trip, and here is how to do it.

First, find the two places on the map. Next, lay the edge of a strip of paper between them, and mark the paper at both places. Then slide the paper down beside the scale and count how many bars fit between the two marks.

Each bar represents a set distance on the ground, so if four bars fit, the trip is four times that far.

Try it on a map of your own town, and find out how far it is from your school to the park!

Questions

1. What does a map scale show?

_____

_____

2. What do you lay between the two places on the map?

_____

_____

3. What do you do after you mark the paper at both places?

_____

_____

4. If four bars fit between the marks, how far is the trip?

_____

_____

5. Why does a map include a scale?

_____

_____

Words to know

scale: a part of a map that shows how far real places are
distance: how far it is from one place to another
measure: to find out how long or how far something is
mark: to make a small sign on something

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

For the teacher: Measure a Trip With a Strip of Paper

Each student sheet carries a shape, not a level. The same topic and facts, written three ways.

Circle: Measure a Trip With a Strip of Paper

Easier · 102 words · Flesch-Kincaid grade 0.9

1. How far a real distance is.
2. A strip of paper.
3. Slide it next to the scale and count the bars.
4. Four times as far as one bar.
5. The map is small, and the scale shows how far things are in the real world.

Triangle: Measure a Trip With a Strip of Paper

This passage · 137 words · Flesch-Kincaid grade 1.2

1. How far a real distance is.
2. The edge of a strip of paper.
3. Slide it next to the scale and count the bars.
4. Four times the distance one bar stands for.
5. The map is small, and the scale shows how far things are in the real world.

Square: Measure a Trip With a Strip of Paper

Harder · 151 words · Flesch-Kincaid grade 4.1

1. How far a real distance is.
2. The edge of a strip of paper.
3. Slide it beside the scale and count how many bars fit between the marks.
4. Four times the distance that one bar represents.
5. The map is small, and the scale shows how far things are in the real world.