TRAIL POST 7

Back to Base Camp!

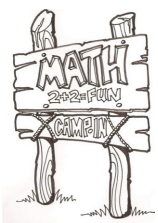
Whew! What a hike! It's getting close to Chow Time and you and your friends need to get back to Base Camp! Help the campers cross the stream and get back to camp!

You and four of your friends decided to hike the Math Trail. You decide to head back to base camp but have to safely cross a stream. You and your friends noticed that there are five different paths that you can use to cross the river. You each decide to take a different path.

Each path has 3 stepping stones that campers can use to get to the other side. The distance between each side of the river is equal for all the paths.

As you get ready, you notice that the paint on some of the stepping stones has worn off. In order to cross the stream and get back to camp, you have to determine what the missing fractions could be on the stepping stones. Write your solutions on each of the empty stepping stones and help the campers get back to camp!

Remember to show your thinking using visuals.



Teaching & Learning Collaborative

TRAIL POST 7

If you and your friends crossed the stream at the same time, each on a different path, would anyone be at the same distance crossing the river at the same time? What rocks would you be on?

Represent each stepping stone on a number lines below. Explain your thinking.

Path 1 _____

Path 2 _____

Path 3 _____

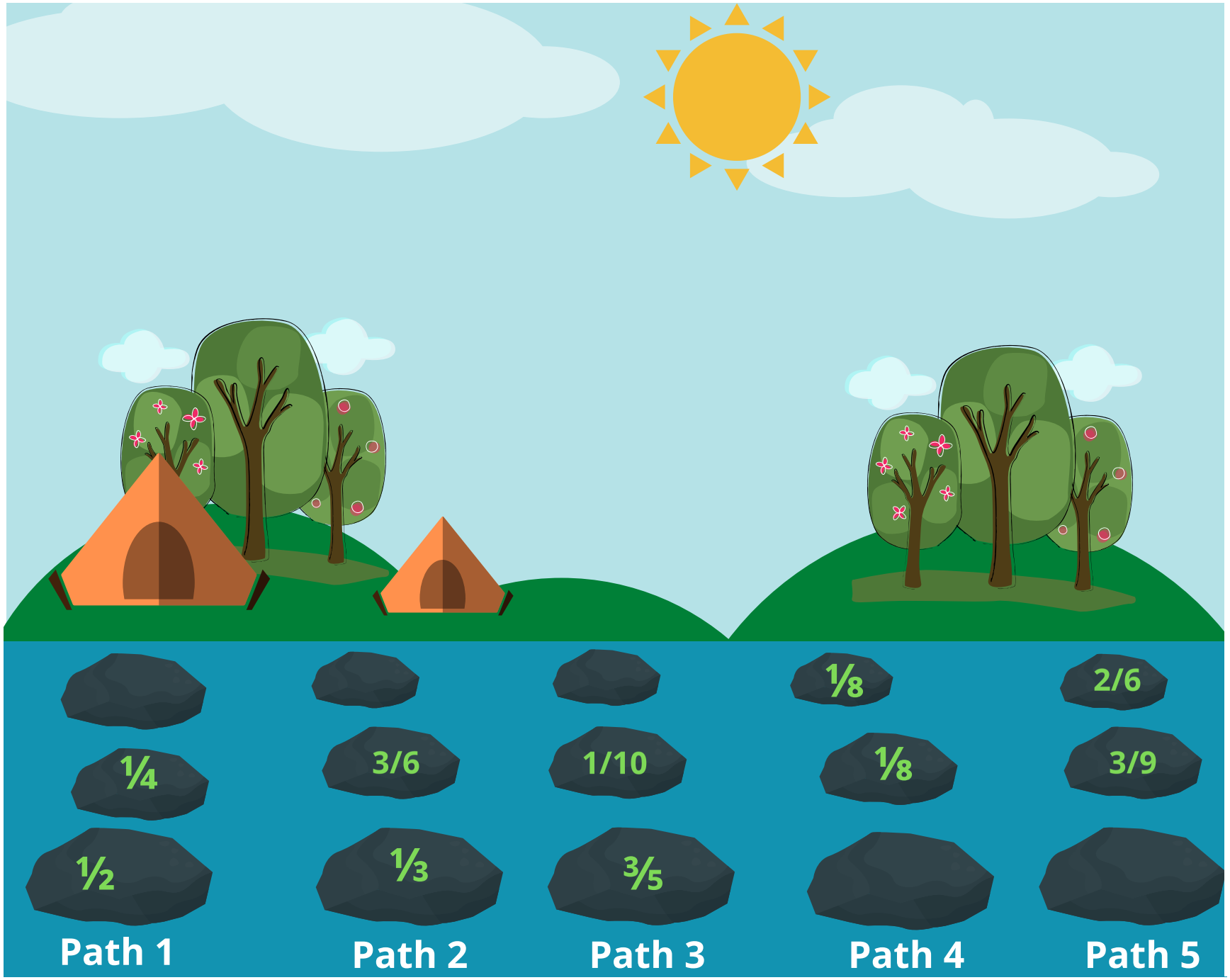
Path 4 _____

Path 5 _____

When you crossed the stream, you and your friends noticed three stepping stones with these fractions on them ¼, ⅕, and 10/20.

Can these stones be used as a sixth path? Show your thinking with visual models and words.

Challenge: What other fractions could be used on the rocks for some of the pathways, where the distance remains the same? Explain your thinking, be sure to include the path and fractions that could be used.


1/4
1/2
3/6
1/3
1/10
3/5
1/8
1/8
2/6
3/9
Path 1
Path 2
Path 3
Path 4
Path 5