

Motion 1.1

Learning Target:

Ant crossing your shoe from left to right	Hiker walking from beginning of path to the end.

How can we describe in words, where the ant and the hiker will end up?

The _____ of a place or an object is the location of that place or object. Often you describe where something is by comparing its position with where you currently are. You might say that a classmate is sitting 5 feet away from you, or post office is two blocks south of your house. Each time you identify the position of an object, you are comparing the _____ of the _____ with the location of _____.



How do we get from the north parking lot to the Dark Voyage ride?

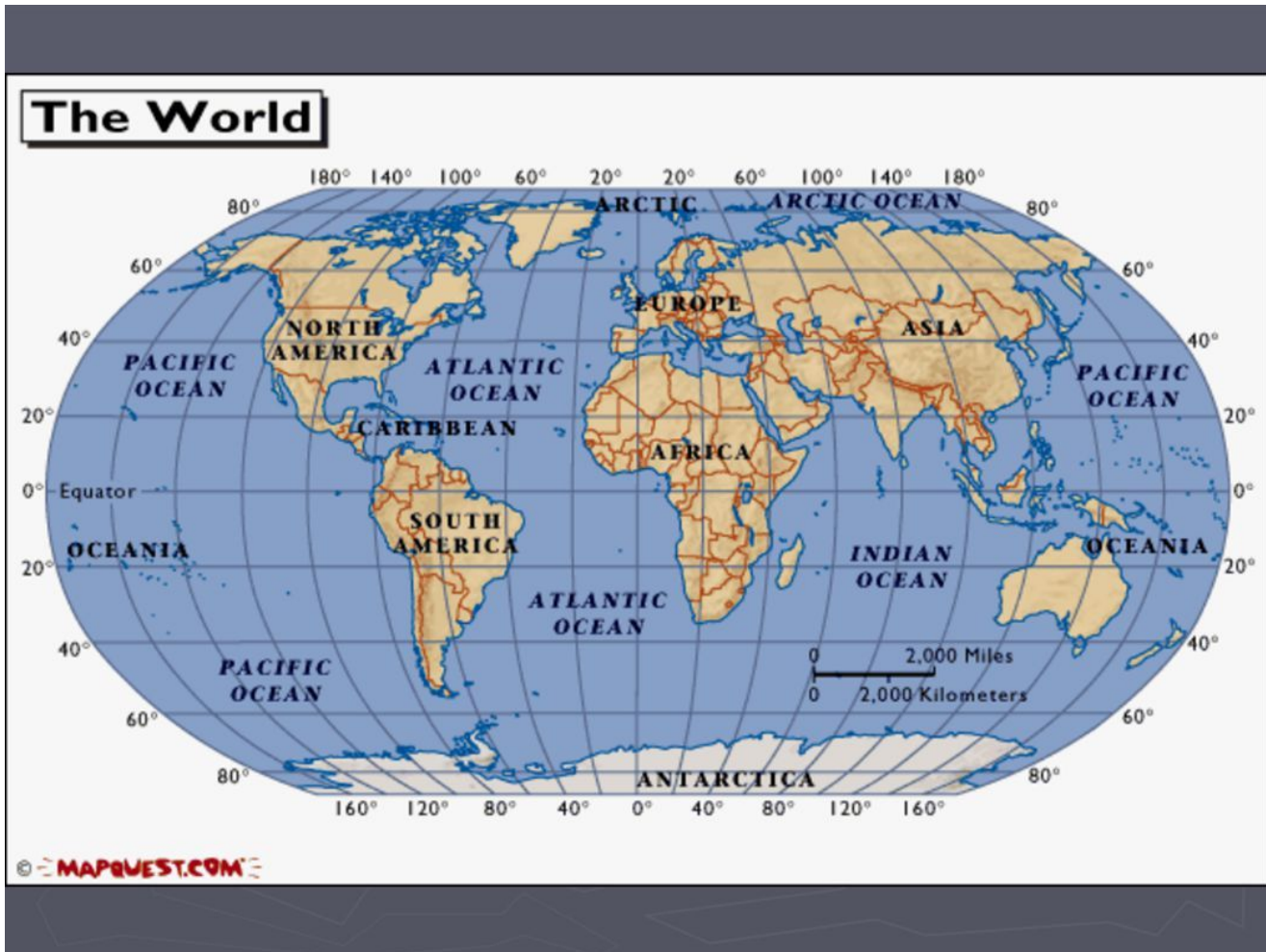
How do we get from the Adventure River to the Bermuda Triangle?

Describing a Position

A location to which you compare other locations is called a reference point. You can also describe a position using a method that is similar to graphing. The coordinate and grid system describes position using degrees.

Longitude:

Latitude:



Describe the location of Madagascar using reference points.

Describe the location of Madagascar using latitude and longitude.

Describe the location of Mexico using reference points.

Describe the location of Mexico using latitude and longitude.



Describe the location of Plymouth using reference points.

Describe the location of Plymouth using latitude and longitude.

Use your computer to find the actual latitude and longitude of Plymouth.

Motion is a change in position.



Describe the long jumpers _____ using the terms horizontal and vertical.

Motion is the _____ over time. As she jumps both her horizontal and vertical positions change. If you missed watching her jump, you would still know that _____ occurred because of the distance between her starting and ending positions.

Describing Motion

A change in an object's position tells you that motion took place, but it does not tell you how _____ the object changed position. The _____ of a moving object is a measure of how quickly or slowly the object changes position

What is relative motion? Describe it in words and draw a picture of it.