

Guided Reading Chapter 3 Section 1

1. Position is given relative to an _____.
2. Explain the difference between position and distance.
3. Position may have a _____ or a _____ value.
4. A _____ is a variable that tells you a direction and an amount.
a) vector b) value c) arrow d) none of these
5. Sketch the position of "Pathfinder," as shown in the middle of page 51, on a graph.

6. Two numbers that describe the exact position of an object, on a graph, are called
a) numbers b) axes c) coordinates d) dimensions
7. Read and answer the "Solve it!" problem on page 52.
8. Name five important parallels that help us identify locations on Earth.
9. Each degree of latitude represents _____ miles on Earth's surface.
a) 100 b) 69 c) 15 d) 60
10. How are lines of latitude divided?

11. Longitude lines run _____ and are east or west of the prime meridian (0°), which runs through Greenwich, England.
12. Draw Figure 3.11 on page 54. Use a protractor, and make sure to use two different colors to represent the east and west sections.

13. Different methods of representing Earth's surface on a two-dimensional map are called

- a) grids b) overlays c) projections

14. Landforms near the (*equator, poles*) are closer to accurate on a Mercator projection.

15. Complete the table below to describe and represent the difference between the three types of map scales.

Fractional scale	Verbal scale	Bar scale

Use to answer number 7.

SOLVE IT!

Eartha™—the World's Largest Revolving and Rotating Globe

Eartha™, the world's largest revolving and rotating globe, is located in Yarmouth, Maine at the DeLorme headquarters (a company that makes maps). If you go to DeLorme's headquarters, you can see Eartha™ in its three-story glass room. The globe's diameter is 41 feet 1.5 inches (0.01 km). The diameter of our planet is 12,756 km. How much bigger is Earth compared to Eartha™, ten times, a thousand times, or a million times bigger?

