Name	Date	 	
	Using a Distance Scale	 	

Maps are not life-size. They show big areas on small pieces of paper. **Distance** on a map is not the same as the real distance in a place. To show distance, maps use a **distance scale**. A distance scale shows that a certain length on the map equals a certain length in a real place. Most distance scales show distance in miles and kilometers. Look at the map below. Find the distance scale. On this distance scale, 1 inch = 300 miles. Notice that this map also shows distances in kilometers.

Suppose you want to find the distance from Cairo to the Mediterranean Sea. One way is to use an inch ruler. Measure the distance between the two places. The distance is about $\frac{3}{8}$ inch. On the distance scale, $\frac{3}{8}$ inch = about 100 miles.



EGYPT

Directions

Use an inch ruler and the distance scale on the map to finish each sentence.

- 1. On the map, the distance from Aswan to Cairo is about ______ inches.
- **2.** On the map, 1 inch = 300 miles. In the real place, Aswan is about

_____ miles from Cairo.

3. On the map, 1 inch = 480 kilometers. In the real place, Aswan is about

_ kilometers from Cairo.

- **4.** On the map, the distance from Alexandria to Cairo is about inch.
- **5.** In the real place, Alexandria is about _____ miles from Cairo.
- 6. Asyut is a city about 250 miles northwest of Aswan. Asyut is about 200 miles south of Cairo on the Nile River. Place the city of Asyut on the map. Draw a dot and write the name <u>Asyut</u>.

Using a Distance Scale

Answer Key

- 1. $1\frac{1}{2}$
- 2. 450
- 3. 720
- 4. $\frac{1}{2}$
- 5. 150
- 6. Check students' maps.