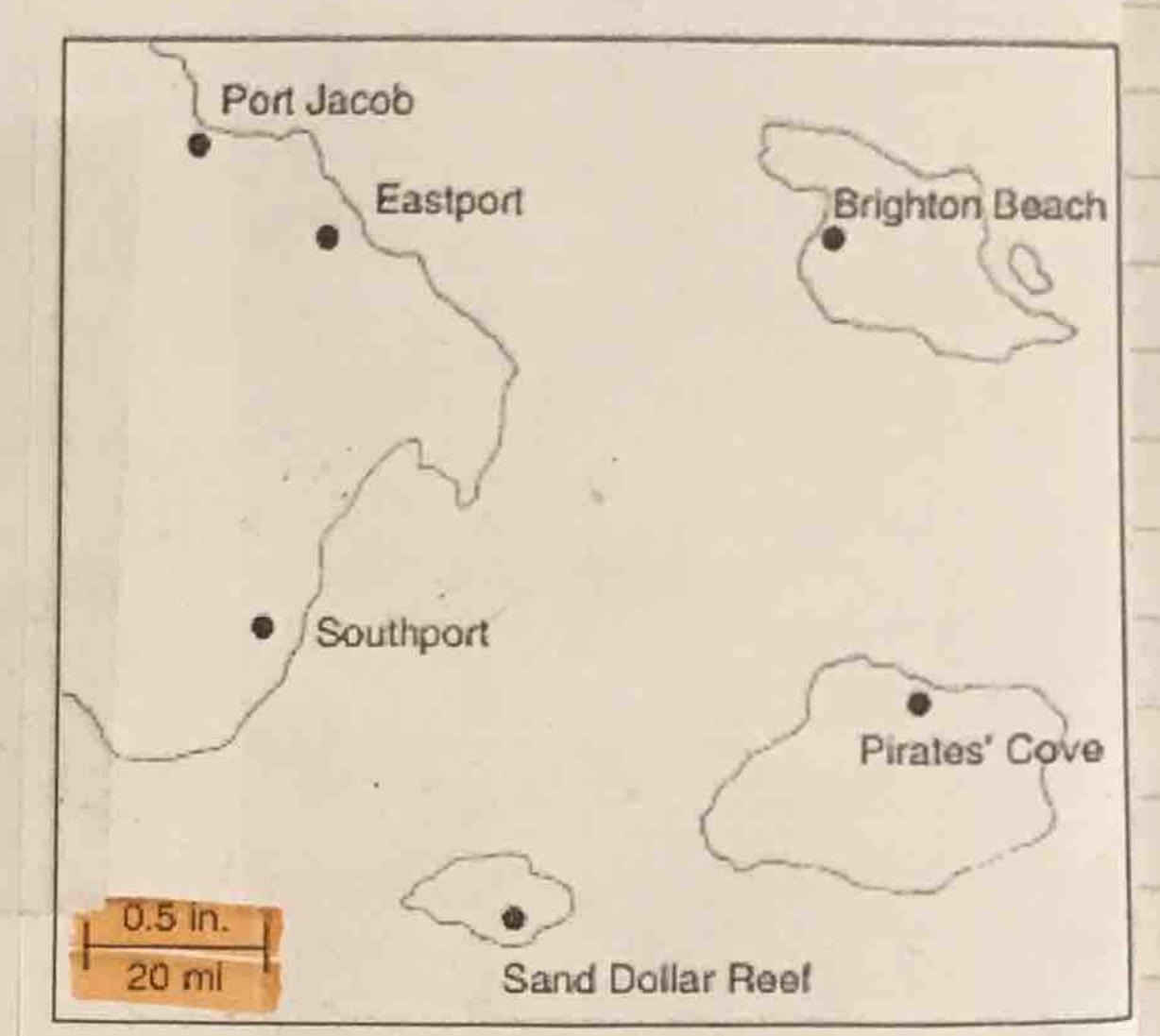
9.7 Scale Models & Drawings

MAPS Use the map shown and a customary ruler to find the actual distance between each pair of cities. Measure to the nearest sixteenth of an inch.

- 1. Port Jacob and Southport
- 2. Port Jacob and Brighton Beach
- 3. Brighton Beach and Pirates' Cove
- 4. Eastport and Sand Dollar Reef



X = 77.5 77.5 miles 50 miles

- 5. SCALE MODEL Sanjay is making a 139 centimeters long scale model of the Parthenon' for his World History class. The actual length of the Parthenon is 69.5 meters long.
 - a. What is the scale of the model?
 - b. How many times as long as the actual Parthenon is the model?
- 6. ARCHITECTURE An architect is making a scale model of an office building he wishes to construct. The model is 9 inches tall. The actual office building he plans to construct will be 75 feet tall.
 - a. What is the scale of the model?
 - b. What scale factor did the architect use to build his model?

o. 3in. 1 Ft = 3 = 1
25 Ft 12 in 300 100

The annitat used a scale factor of You to build his model

