

Complete all problems on notebook paper. Set up and solve a proportion for each problem. WKU

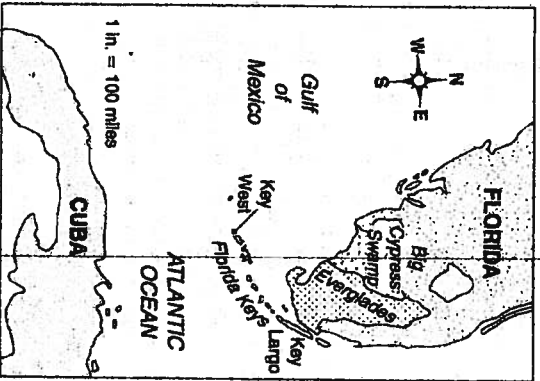
Scale Factor WP

Proportion Review WP

LESSON 8-6 Homework and Practice
Scale Drawings and Maps

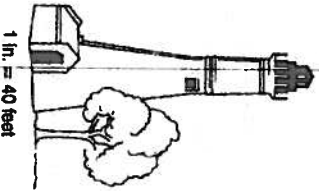
Use the map to answer the questions.

1. On the map, the distance between Key West and Key Largo is $\frac{1}{10}$ inch. What is the actual distance in miles?
2. On the map, the distance between Everglades and Cuba is $\frac{3}{10}$ inch. What is the actual distance?
3. Use a ruler to measure the distance between Big Cypress Swamp and Key Largo on the map. About how far is the actual distance?
4. Some people want to construct a connection from Cuba to mainland Florida. It is 250 miles long! If it were shown on this map, how many inches long would it be?



Use the scale drawing to answer each question.

5. This scale drawing is of the lighthouse on Key West, originally built in 1825. What is the actual height of the smaller building just outside of the lighthouse?
6. The original lighthouse was 66 feet tall. It was rebuilt at its present height after a hurricane destroyed it in 1846. How tall would half of the original lighthouse be in this scale drawing?



1. If 2 meters of fabric costs \$3.45, what should 7 meters cost?
2. A 16 ounce box of laundry detergent costs \$2.49. How many ounces should be in a box marked \$1.15?
3. Three pounds of chicken costs \$3.67. How much should 15 pounds cost?
4. If 7 ounces of cola costs \$.59. How much should 19 ounces cost?
5. Judy and Tomie traveled 237 hours in 8 hours. If they continue travelling at the same rate, how long will it take them to travel 654 miles?
6. Neil ran 5.5 miles in 1 hour. If he continues running at the same pace, how far will he have run in 7.25 hours?
7. Marty and Lance saw an advertisement for a 24 pound bag of oranges that costs \$5.98. How much should a 13 pound bag cost?
8. If a 12 pound turkey costs \$24.98, what should 20 pounds cost?
9. If 12 ounces of fish cost \$4.21. How much should 23 ounces cost?

