

LESSON
3.6

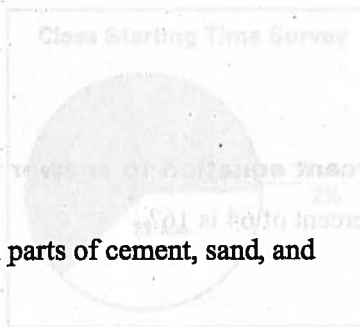
Practice *continued*
For use with pages 168–173

A map has a scale of 1 in. : 38 ft. Use the given map distance to find the actual distance.

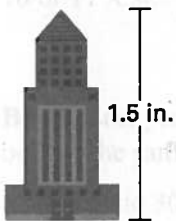
19. 5.5 in. 20. 2.25 in. 21. 1.75 in.

22. Concrete You are making up your own mix of concrete to patch a set of stairs. In order to have the proper mix, you need to mix 1 part of Portland cement with 2 parts of sand and 3 parts of gravel.

- a. How many total parts are in one batch of concrete?
- b. You make a mix with 4 parts of sand. How many total parts of cement, sand, and gravel are in your mix?



23. Architectural Firm An architectural firm makes a model of a science center they are building. The ratio of the model to the actual size is 1 in. : 85 ft. Estimate the height of the building if the model is 1.5 inches tall.



24. Tall Buildings You made a model of the Space Needle in Seattle, Washington, for a report on architecture in the United States. You used a scale of 1 in. : 50 ft. Your model is 12.1 inches tall. Estimate the actual height of the Space Needle.