Grade 4 Mathematics
Number and Number Relations: Lesson 24

Read aloud to the students the material that is printed in **boldface type** inside the boxes. Information in regular type inside the boxes and all information outside the boxes should **not** be read to students. Possible student responses are included in parentheses after the questions.

NOTE: The directions read to students may depend on the available materials. Read only those parts of the lesson that apply to the materials you are using.

Any directions that ask you to do something, such as to turn to a page or to hand out materials to students, will have an arrow symbol () by them.

Purpose of Lesson 24:

- In this lesson, the tutor and the students will
  - ✓ answer questions about distances found on maps.

Equipment/Materials Needed:

- Copies of Student Sheets 102 and 103
- Paper and pencils
- Chalkboard

Preparations before beginning Lesson 24:

- Run one copy of Student Sheets 102 and 103 for each student.
- Have paper and pencils available.

Lesson 24: Number and Number Relations

This lesson will use maps to review the operations of addition, subtraction, multiplication, and division.

Say:

In this lesson, we are going to use maps to answer questions about distances between cities.

- Give students Student Sheet 102.

Answers:

1. 48 miles
2. 77 miles
3. university, 10 miles
4. water park, 36 miles
5. 69 miles
6. 9 miles
7. 66 miles
8. 150 miles

- Give students Student Sheet 103.

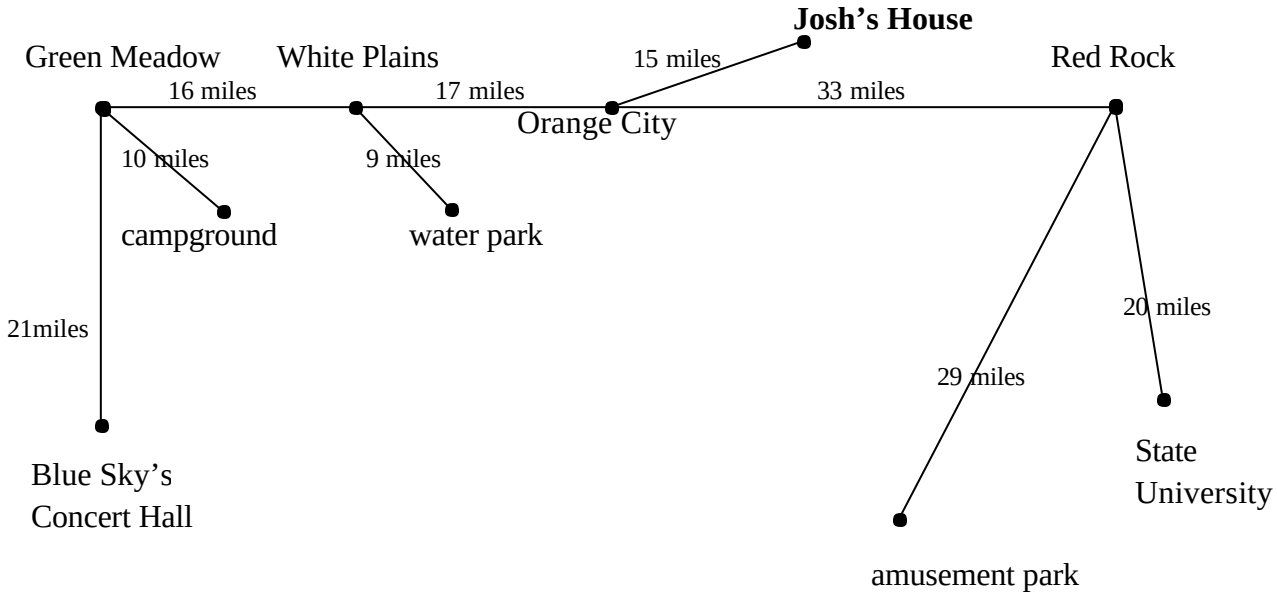
Answers:

1. 185 miles
2. Riverside and Gulfshore
3. 117 miles
4. 370 miles
5. 69 miles
6. 370 miles
7. 1430 miles
8. Lake City and Ocean Heights
9. 11 miles each hour

- Have one student summarize today's lesson. Using maps is a good way to practice computation.

Student Sheet 102 (Number Relations: Lesson 24)

Use the map below to answer the questions that follow. When finding the number of miles, you must stay on the roads and take no shortcuts.



1. How far is Josh's house from Green Meadow?

2. How far do Josh and his family travel when they go from their house to the amusement park?

3. From Josh's house, is it farther to the campground or to the State University? How much farther?

4. Which is closer to Josh's house, the water park or the amusement park? How much closer?

5. How many miles does Josh travel when he goes from his house to the concert hall?

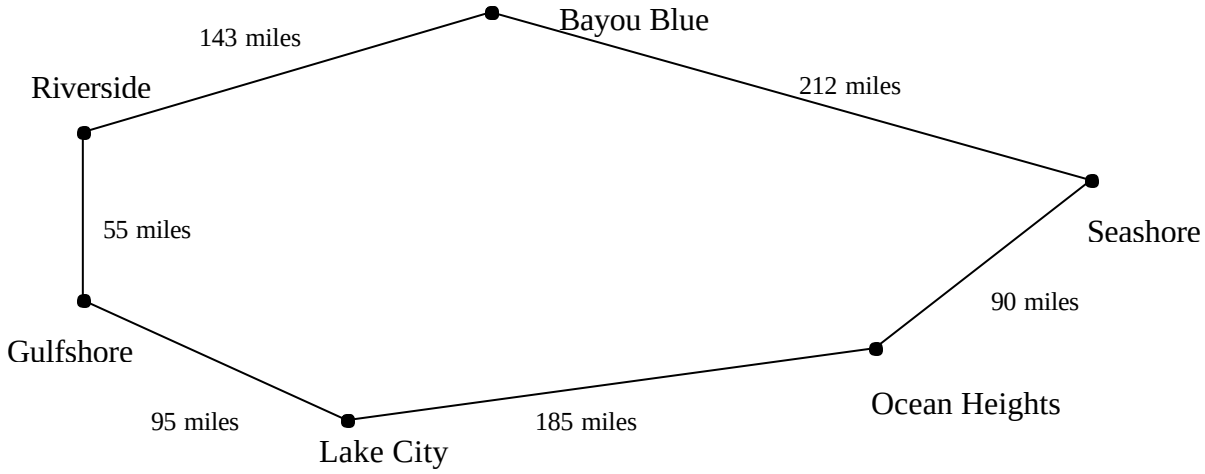
6. How much farther is Red Rock from the amusement park than from the University?

7. How far is a round-trip drive from Red Rock to Orange City?

8. Josh's mom drives to Orange City and back, five days a week. How many miles would she drive in one week?

Student Sheet 103 (Number Relations: Lesson 24)

Use the map to answer the questions that follow.



1. How far is it from Lake City to Ocean Heights? Choose the shortest route.

2. Which two towns are the closest to each other?

3. How much closer is it from Lake City to Gulfshore than from Seashore to Bayou Blue?

4. How many miles would you travel if you started at Gulfshore and went to Seashore through Lake City and Ocean Heights?

5. How much closer is Bayou Blue to Riverside than it is to Seashore?

6. How many miles would you drive if you went from Lake City to Ocean Heights and back?

7. Steve drove from Riverside to Bayou Blue and back everyday for five days. How many miles did he drive in all?

8. Which two cities are approximately twice as far apart as Gulfshore and Lake City?

9. There is a bike trail from Gulfshore to Riverside. It took Mike five hours to bike the entire way. About how many miles did he bike each hour?