

5 Chapter Test

Write the ratio as a fraction in simplest form. Explain what the ratio means.

1. $\frac{\text{scooters}}{\text{bikes}}$



2. starfish : seashells



Write a unit rate for the situation.

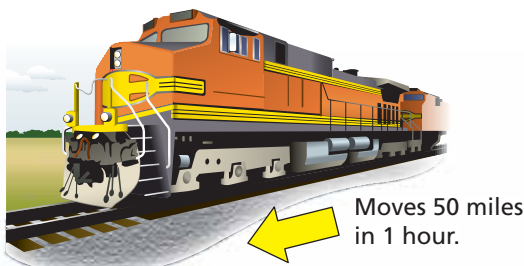
3. \$54.00 for 3 tickets

4. 210 miles in 3 hours

Find how far the object travels in the given amount of time.

5. 5 hours

6. 15 seconds



Find the mean, median, mode(s), and range of the data.

7. 2, 7, 7, 12, 4

8. 4, 5, 7, 5, 9, 9, 10, 6

Find the mean, median, and mode(s) of the data. Choose the measure that best represents the data. Explain your reasoning.

9. 5, 6, 4, 24, 18

10. 46, 27, 94, 56, 53, 65, 43

11. **RADIO** A radio DJ plays 34 songs in 3 hours. At this rate, how many songs will the DJ play in 5 hours?

12. **MP3 PLAYER** The data are the prices of MP3 players. What is the mean price?

\$89, \$240, \$120, \$99, \$150, \$179, \$75

13. **WATERFALLS** The table shows the four tallest waterfalls in the world.

- Describe how the median of the data will change by adding the fifth-tallest waterfall to the data.
- Without knowing the height of the fifth-tallest waterfall, describe the least amount that it will change the mean when added to the data.

Waterfall	Height (feet)
Angel Falls	3212
Tugela Falls	3110
Three Sisters Falls	3000
Olo'upena Falls	2953