Name _____

Estimate the quotient.

3. 161.7 ÷ 7

4. 17.9 ÷ 9

5. 145.4 ÷ 21

Math Talk

MTR 4.1 Engage in discussions on mathematical thinking.

Why might you want to find an estimate for a quotient?

On Your Own

Estimate the quotient.

6. 15.5 ÷ 4

7. 394.8 ÷ 7

8. 410.5 ÷ 18

9. 72.1 ÷ 7

10. 32.4 ÷ 52

11. $134.42 ÷ 28

12. MTR Shayne has a total of $135.22 to spend on souvenirs at the science center. He wants to buy 9 of the same souvenir for his friends. Choose a method of estimation to find about how much Shayne can spend on each souvenir. Explain how you used the method to reach your estimation.

13. One week, Ms. Territo ran 12 miles in 131.25 minutes. The next week, Ms. Territo ran 12 miles in 119.5 minutes. If she ran a constant pace during each run, about how much faster did she run each mile in the second week than in the first week?

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Problem Solving · Applications

Use the table to solve Problems 14 and 15.

Greatest 7-Day Snowfall	
State	**Amount of snow (in inches)**
Alaska	186.9
Wyoming	84.5
South Dakota	112.7

14. How does the estimate of the average daily snowfall for Wyoming's greatest 7-day snowfall compare to the estimate of the average daily snowfall for South Dakota's greatest 7-day snowfall?

15. The greatest monthly snowfall total in Alaska is 297.9 inches. This happened in February, 1953. Compare the daily average snowfall for February, 1953, with the average daily snowfall for Alaska's greatest 7-day snowfall. Use estimation.

MATH on the Spot

16. WRITE Math During a 3-hour storm, it snowed 2.5 inches. Jacob said that it snowed an average of about 8 inches per hour. What is Jacob's error?

17. Juliette will cut a piece of string that is 45.1 feet long into 7 smaller pieces. Each of the 7 pieces will be the same length. Write a division sentence using compatible numbers to estimate the quotient.

Show the Math

Demonstrate Your Thinking

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