

Example 3

Round each amount of money to the nearest dollar:

- a. \$6.49 b. \$12.95 c. \$19.75

- a. The number of cents is less than 50. We round down to **\$6**.
b. The number of cents is more than 50. We round up to **\$13**.
c. The number of cents is more than 50. We round up to the next dollar, which is **\$20**.

Sometimes we want to round money to amounts other than to the nearest dollar. For example, we might choose to round \$6.49 to \$6.50 since \$6.50 is very close to \$6.49 and is fairly easy to add and subtract.

Example 4

Round each amount of money to the nearest 25 cents:

- a. \$3.77 b. \$7.48 c. \$5.98

Let's imagine that we have only dollar bills and quarters, and that we want to make the amount of money closest to each given amount.

- a. The closest we can get to \$3.77 is **\$3.75**.
b. The closest we can get to \$7.48 is **\$7.50**.
c. The closest we can get to \$5.98 is **\$6.00**.

Lesson Practice

Represent Round each number to the nearest ten. For each problem, draw a number line to show your work.

- a. 78 b. 43 c. 61 d. 45

Round each amount of money to the nearest dollar:

- e. \$14.29 f. \$8.95 g. \$21.45 h. \$29.89

Round each amount of money to the nearest 25 cents:

- i. \$12.29 j. \$6.95 k. \$5.45 l. \$11.81

Written Practice

Distributed and Integrated

Write and solve equations for problems 1 and 2.

- * 1. **Formulate** A bakery employee baked seventy-two raisin muffins in two batches. Twenty-four muffins were baked in the first batch. How many muffins were baked in the second batch?

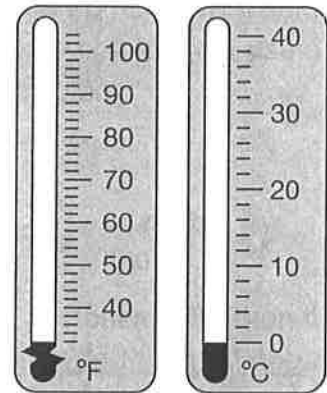
*2. ^(1, 13) Four hundred seventy-six people attended the Friday evening performance of a school play. Three hundred ninety-seven people attended the Saturday evening performance. Altogether, how many people attended those performances?

3. ⁽⁴⁾ The ones digit is 5. The tens digit is 6. The number is between 600 and 700. What is the number?

4. ^(7, 16) **Represent** Write 509 in expanded form. Then use words to write the number.

*5. ^(Inv. 1) **Represent** Use digits and symbols to write this comparison:
Negative twenty is less than ten.

*6. ⁽¹⁸⁾ The temperature one winter day in Iron Mountain, Michigan, is shown on the thermometer. Write the temperature in degrees Fahrenheit and in degrees Celsius.



*7. ⁽¹⁹⁾ **Connect** On Wednesday afternoons in September, flag football practice begins at the time shown on the clock and ends at 5:40 p.m. How long is practice on those days?



*8. ⁽²⁰⁾ **Explain** Round each number to the nearest ten and explain how you rounded each number.

a. 47

b. 74

9. ⁽¹³⁾
$$\begin{array}{r} \$476 \\ + \$285 \\ \hline \end{array}$$

10. ⁽¹³⁾
$$\begin{array}{r} \$185 \\ + \$499 \\ \hline \end{array}$$

11. ⁽¹³⁾
$$\begin{array}{r} 568 \\ + 397 \\ \hline \end{array}$$

12. ⁽¹³⁾
$$\begin{array}{r} 478 \\ + 196 \\ \hline \end{array}$$

13. ⁽¹²⁾
$$\begin{array}{r} 17 \\ - a \\ \hline 9 \end{array}$$

14. ⁽¹²⁾
$$\begin{array}{r} 14 \\ - b \\ \hline 14 \end{array}$$

15. ⁽¹²⁾
$$\begin{array}{r} 13 \\ - c \\ \hline 6 \end{array}$$

*16. ⁽¹⁵⁾
$$\begin{array}{r} \$35 \\ - \$28 \\ \hline \end{array}$$

$$\begin{array}{r} *17. \quad 23 \\ (15) \quad - 15 \\ \hline \end{array}$$

$$\begin{array}{r} *18. \quad 63 \\ (15) \quad - 36 \\ \hline \end{array}$$

$$\begin{array}{r} *19. \quad 74 \\ (15) \quad - 59 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad m \\ (14) \quad + 22 \\ \hline 45 \end{array}$$

$$\begin{array}{r} *21. \quad k \\ (16) \quad - 15 \\ \hline 32 \end{array}$$

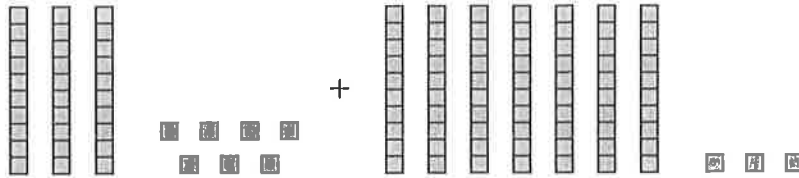
$$\begin{array}{r} *22. \quad 47 \\ (16) \quad - k \\ \hline 34 \end{array}$$

$$\begin{array}{r} 23. \quad 28 \\ (17) \quad 36 \\ \quad 44 \\ \hline + 58 \end{array}$$

$$\begin{array}{r} 24. \quad 49 \\ (17) \quad 28 \\ \quad 32 \\ \hline + 55 \end{array}$$

- *25. Round each amount of money to the nearest dollar:
(20) a. \$25.67 b. \$14.42

- *26. **Multiple Choice** Which number sentence describes this model?
(7, 9)



- A $307 + 703 = 1010$
C $37 + 73 = 110$

- B $37 + 73 = 100$
D $37 + 73 = 1010$


27. How many different arrangements of three letters can you write using the letters b, r, and z? Each letter may be used only once, and the different arrangements you write do not need to form words.
(3)
- *28. Round each amount of money to the nearest 25 cents:
(20) a. \$7.28 b. \$4.48

29. This table shows the land areas in square miles of four islands:
(7)

Islands of the World

Name	Location	Area (sq mi)
Micronesia	Pacific Ocean	271
Isle of Youth	Caribbean Sea	926
Isle of Man	Atlantic Ocean	227
Reunion	Indian Ocean	970

Write the names of the islands in order from greatest to least land area.

- *30.  **Formulate** Write and solve an addition word problem that has a sum of 18.
(1)