

Write and solve equations for problems 1 and 2.

1. Hiroshi had four hundred seventeen marbles. Harry had two hundred twenty-two marbles. How many marbles did Hiroshi and Harry have in all?
(1, 13)

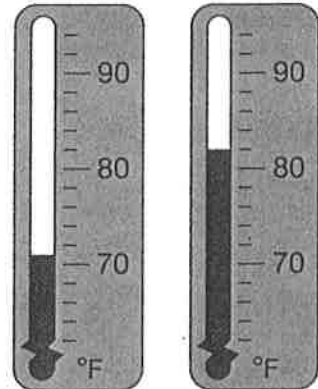
***2.** Tisha put forty pennies into a pile. After Jane added all of her pennies, there were seventy-two pennies in the pile. How many pennies did Jane add to the pile?
(11, 14)

3. The ones digit is 5. The number is greater than 640 and less than 650.
(4) What is the number?

***4.** **Represent** Write seven hundred fifty-three in expanded form.
(16)

***5.** **Equation** If $x + y = 10$, then what is the other addition fact for x , y , and 10? What are the two subtraction facts for x , y , and 10?
(6)

***6.** These thermometers show the average daily low and high temperatures in San Juan, Puerto Rico, during the month of January. What are those temperatures?
(18)



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***7.** **Area** Use a centimeter ruler to measure the rectangle below.
(Inv. 2)

- a. What is the length?
- b. What is the width?
- c. What is the perimeter?



Name _____

$$\begin{array}{r} 8. \quad 493 \\ (13) \quad + 278 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad \$486 \\ (13) \quad + \$378 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad \$524 \\ (13) \quad + \$109 \\ \hline \end{array}$$

- *11. **Represent** Draw a triangle. Make each side 2 cm long. What is the perimeter of the triangle?
(Inv. 2, 21)

- *12. **Represent** Draw a square with sides 2 inches long. What is the perimeter of the square?
(Inv. 2, 21)

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

$$\begin{array}{r} 14. \quad 45 \\ (15) \quad - 29 \\ \hline \end{array}$$

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

$$\begin{array}{r} 16. \quad 62 \\ (15) \quad - 45 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 24 \\ (14) \quad + d \\ \hline 45 \end{array}$$

$$\begin{array}{r} 18. \quad 14 \\ (16) \quad - b \\ \hline 2 \end{array}$$

$$\begin{array}{r} *19. \quad y \\ (16) \quad - 36 \\ \hline 53 \end{array}$$

$$\begin{array}{r} *20. \quad 75 \\ (16) \quad - p \\ \hline 45 \end{array}$$

$$\begin{array}{r} 21. \quad 46 \\ (17) \quad 35 \\ \quad 27 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 22. \quad 14 \\ (17) \quad 28 \\ \quad 77 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 23. \quad 14 \\ (17) \quad 23 \\ \quad 38 \\ + 64 \\ \hline \end{array}$$

$$\begin{array}{r} 24. \quad 15 \\ (17) \quad 24 \\ \quad 36 \\ + 99 \\ \hline \end{array}$$

- *25. **Conclude** Write the next three numbers in each counting sequence:

(3,
Inv. 1)

a. ..., 28, 35, 42, _____, _____, _____, ...

b. ..., 40, 30, 20, _____, _____, _____, ...

- *26. **Explain** If you know the length and the width of a rectangle, how can you find its perimeter?
(Inv. 2)

- *27. **Multiple Choice** Alba drew a circle with a radius of 4 cm. What was the diameter of the circle?
(21)

A 8 in.

B 2 in.

C 8 cm

D 2 cm

