

Name \_\_\_\_\_

**Formulate** Write and solve equations for problems 1–3.

\*1. One hundred pennies are separated into two piles. In one pile there are thirty-five pennies. How many pennies are in the other pile?  
(24, 41)

\*2. Juan opened a 1-gallon bottle that held about 3.78 liters of milk. He poured about 1.50 liters of milk into a pitcher. About how many liters of milk were left in the bottle?  
(25, 43)

\*3. San Francisco is 400 miles north of Los Angeles. Santa Barbara is 110 miles north of Los Angeles. Stephen drove from Los Angeles to Santa Barbara. How many miles does he still have to drive to reach San Francisco?  
(11, 41)

\*4. Draw a rectangle that is 3 cm long and 3 cm wide.  
(Inv. 2, Inv. 3)

a. What is the perimeter of the rectangle?

b. What is the area of the rectangle?

\*5. a. Round 572 to the nearest hundred.  
(20, 42)

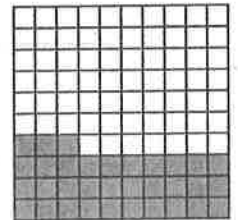
b. Round 572 to the nearest ten.

\*6. **Represent** Write the shaded part of this square  
(Inv. 4)

a. as a fraction.

b. as a decimal number.

c. using words.



7. **Conclude** Are the rails of a railroad track parallel or perpendicular?  
(23)

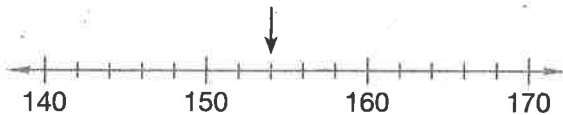
\*8. Draw a square to show  $3 \times 3$ . Then shade two ninths of the square.  
(26, Inv. 3)

9. The clock shows the time Santo arrived at school. He woke up that morning at 6:05 a.m. How long after waking up did Santo arrive at school?  
(19)



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10. **Represent** To what number is the arrow pointing?  
*(Inv. 1)*



\*11.  $2.45 + 4.50$   
*(43)*

\*12.  $\$3.25 - \$2.47$   
*(43)*

\*13.  $\$2.15 + \$3 + 7\text{¢}$   
*(43)*

\*14.  $3.75 - 2.50$   
*(43)*

$$\begin{array}{r} 15. \quad 507 \\ (24) \quad - \quad n \\ \hline 456 \end{array}$$

$$\begin{array}{r} 16. \quad n \\ (24) \quad - \quad 207 \\ \hline 423 \end{array}$$

$$\begin{array}{r} *17. \quad \$5.00 \\ (41) \quad - \quad \$3.79 \\ \hline \end{array}$$

\*18.  $6 \times 80$   
*(42)*

\*19.  $4 \times 300$   
*(42)*

20.  $7 \times 90$   
*(42)*

\*21.  $8n = 32$   
*(41)*

22.  $\sqrt{100}$   
*(Inv. 3)*

23. **Represent** Draw a line segment that is 2 inches long. Then measure the line segment with a centimeter ruler. Two inches is about how many centimeters?  
*(Inv. 2)*

24. **Represent** The population of the city was about 1,080,000. Use words to write that number.  
*(34)*

- \*25. **Multiple Choice** Which of these metric units would probably be used to describe the height of a tree?  
*(Inv. 2)*

A millimeters

B centimeters

C meters

D kilometers

- \*26. **Multiple Choice** Emily has a 2-liter bottle full of water and an empty half-gallon carton. She knows 1 liter is a little more than 1 quart. If she pours water from the bottle into the carton, what will happen?  
*(40)*

A The bottle will be empty before the carton is full.

B The carton will be full before the bottle is empty.

C When the carton is full, the bottle will be empty.

D The carton will be empty, and the bottle will be full.

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27. Here is a list of selling prices for five houses. Arrange the prices in order from highest selling price to lowest selling price.

\$179,500

\$248,000

\$219,900

\$315,000

\$232,000

- \*28. **Multiple Choice** Which group of decimal numbers is arranged in order from least to greatest?


A 0.23, 0.21, 0.25

B 0.25, 0.23, 0.21

C 0.21, 0.23, 0.25

D 0.21, 0.25, 0.23

- \*29. An uncooked spaghetti noodle fell on the floor and broke into several pieces. Three of the pieces were  $1\frac{1}{2}$  inches long, 2 inches long, and  $2\frac{1}{4}$  inches long. If two of the three pieces are lined up end to end, what are all the possible combined lengths?

- \*30.  At an elementary school track meet, Ra'Shawn ran a 100-meter dash in 16.5 seconds. Sabrina ran 0.4 seconds faster. What was Sabrina's time for the race? Explain why your answer is reasonable.