

**\*1.** **Formulate** (57) Marybeth could jump 42 times each minute. At that rate, how many times could she jump in 8 minutes? Write an equation to solve the problem.

**\*2.** **Analyze** (57) Rodolfo could run 7 miles in 1 hour. At that rate, how many miles could Rodolfo run in 3 hours? Make a table to solve.

**\*3.** **Connect** (47) Write four multiplication/division facts using 8, 9, and 72.

**4.** What is the sum of  $\sqrt{36}$  and  $\sqrt{64}$ ? (Inv. 3)

**\*5.** Compare:  $\frac{1}{3}$   $\bigcirc$  50% (Inv. 5, 56)

**\*6. a.** **Estimate** (42, 54) Round 5280 to the nearest thousand.  
**b.** Round 5280 to the nearest hundred.

**\*7.** This array of 12 stars shows that 4 and 3 are factors of 12. (55) Draw a different array of 12 stars that shows two other factors of 12.



**\*8.** **Analyze** (55) Find the fourth multiple of 6. Then find the third multiple of 8. Compare these two multiples.

**\*9.** (41, 54) Juan Ponce de León explored the coast of Florida in 1513. In 1800, the federal government of the United States moved to Washington, DC. Write a *later - earlier = difference* equation and solve it to find the number of years that elapsed from 1513 to 1800.

**10.** (Inv. 2, Inv. 3) A square has one side that is 7 inches long.

- a. What is the perimeter of the square?
- b. What is the area of the square?

**\*11.** (52)

$$\begin{array}{r} 70,003 \\ - 36,418 \\ \hline \end{array}$$

**12.** (24, 43)

$$\begin{array}{r} n \\ - 4.32 \\ \hline 2.57 \end{array}$$

**13.** (43, 51)

$$\begin{array}{r} \$861.34 \\ + \$764.87 \\ \hline \end{array}$$

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14.  $\begin{array}{r} 93 \\ \times 5 \\ \hline \end{array}$

15.  $\begin{array}{r} 84 \\ \times 6 \\ \hline \end{array}$

16.  $\begin{array}{r} 77 \\ \times 7 \\ \hline \end{array}$

17.  $\begin{array}{r} 80 \\ \times 8 \\ \hline \end{array}$

18.  $\frac{56}{8}$


19.  $7 \overline{)65}$

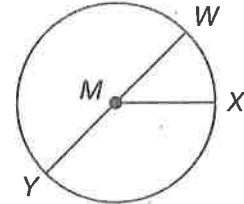
\*20.  $45 \div 6$

21.  $7n = 42$

22.  $1.75 + 17.5$

23. a. Which segment in this figure is a diameter?

b.  **Classify** Segments  $MW$  and  $MX$  form an angle. What type of angle is it? Explain.



\*24. **Represent** Compare these fractions. Draw and shade two congruent rectangles to show the comparison.

$\frac{2}{3} \bigcirc \frac{3}{4}$

\*25. **Represent** Point  $X$  represents what mixed number and what decimal number on this number line?



\*26. One inch is 2.54 centimeters, so two inches is  $2.54 + 2.54$  centimeters. A segment that is 3 inches long is how many centimeters long?

\*27. Write this addition problem as a multiplication problem:

$2.54 + 2.54 + 2.54$

\*28. a. Three pennies are what fraction of a dollar?

(36, Inv. 5)

b. Write the value of three pennies as a decimal part of a dollar.

c. Three pennies are what percent of a dollar?

\*29. **Multiple Choice** Which of these numbers is a prime number?

(55)

A 6

B 7

C 8

D 9

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**\*30.** What is the sum of these lengths? Write three answers using different units.  
*(Inv. 2)*

$$1 \text{ yard} + 2 \text{ feet} + 12 \text{ inches}$$

**Early Finishers**  
*Real-World Connection*

Each day Jamaal delivers 30 newspapers in 1 hr 30 min. At this rate, how many newspapers would he deliver each hour? Explain your answer.

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