

Formulate Write and solve equations for problems 1 and 2.

*1. ⁽⁵²⁾ Evita had 56 beads that she was putting into bags. She wanted to put them into equal groups of 8 beads. How many bags will she need?

*2. ⁽⁵²⁾ There were 42 children waiting for a ride. There were 7 cars available. If the same number of children rode in each car, then how many would be in each car?

*3. ⁽⁴⁷⁾ **Connect** Write four multiplication/division facts using the numbers 4, 7, and 28.

4. ⁽⁵⁾ Which months have exactly 30 days?

*5. ⁽³⁾ Consider this sequence:

..., 16,000, 17,000, 18,000, 19,000, ...

a. **Generalize** Write a rule that describes how to find the next term of the sequence.

b. **Predict** What is the next term of the sequence?

6. ^(20, 42) a. Round 4728 to the nearest hundred.

b. Round 4728 to the nearest ten.

7. ⁽¹⁹⁾ Write the time “a quarter after four in the afternoon” in digital form.

*8. ^(Inv. 2) **Model** One side of a square is 4 feet long. You may use tiles to solve.

a. What is the perimeter of the square?

b. What is the area?

9. ⁽³⁵⁾ How many circles are shaded?



*10. ^(Inv. 3, 45) **Explain** Describe the order of operations in this expression and find the number it equals.

$$\sqrt{64} + (42 \div 6)$$

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11. $\$6.35 + \$12.49 + 42\text{¢}$
(43)

*12. $\$100.00 - \59.88
(43, 52)

*13. $\begin{array}{r} 51,438 \\ - 47,495 \\ \hline \end{array}$
(52)

14. $\begin{array}{r} 60 \\ \times 9 \\ \hline \end{array}$
(42, 48)

15. $\begin{array}{r} 57 \\ \times 4 \\ \hline \end{array}$
(48)

- *16. **Represent** Draw dots and make groups to show $22 \div 5$. Write the answer next to your drawing.
(53)

Divide for problems 17–19. Write each answer with a remainder.

*17. $25 \div 4$
(53)

*18. $6 \overline{)39}$
(53)

*19. $7 \overline{)30}$
(53)

20. $\begin{array}{r} 46 \\ \times 8 \\ \hline \end{array}$
(48)

21. $\begin{array}{r} 38 \\ \times 7 \\ \hline \end{array}$
(48)

22. $\begin{array}{r} z \\ - 16.5 \\ \hline 40.2 \end{array}$
(24, 43)

*23. $6.75 + 4.5 + 12.5$
(50)

- *24. **Represent** Use digits to write seven million, two hundred sixty thousand.
(34)

25. A half-gallon container holds about 1.89 L of fluid. Use words to write 1.89 L.
(40)

- *26. **Multiple Choice** Shakir said, "I am thinking of two numbers. Their product is 6." The two numbers Shakir was thinking of could *not* be _____.
(28)

A 1 and 6 B 2 and 3 C 3 and 2 D 6 and 0

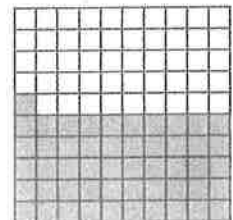
- *27. a. A quarter is what percent of a dollar?
(40, Inv. 5)

b. A quart is what percent of a gallon?


- *28. a. What fraction of the large square is shaded?
(Inv. 4, Inv. 5)


b. The shaded part of the large square represents what decimal number?

c. What percent of the large square is shaded?



Name _____

- *29.**  **Estimate** Brandon purchased 1 liter of juice, which is about 67.6 fluid ounces. Estimate the number of cups of juice that Brandon purchased. Explain your thinking.

- *30.**  **Explain** The 900 North Michigan Avenue Building in Chicago is 871 feet tall. The 181 West Madison Street Building is 680 feet tall. How many feet taller is the 900 North Michigan Avenue Building? Explain how you found your answer.

Early Finishers
Real-World Connection

Ellen needs at least 25 feet of ribbon to make bows. The ribbon she uses is sold only in yards. How many yards should she buy? Explain how compatible numbers can be used to solve the problem.