


Formulate Write and solve equations for problems 1 and 2.

*1. ^(1, 33, 51) There were two hundred fourteen parrots, seven hundred fifty-two crows, and two thousand, forty-two blue jays. How many birds were there in all?

*2. ⁽⁵²⁾ K'Shella used one bag of soil to pot 8 plants. How many bags of soil would she need to pot 2 dozen plants?

*3. ⁽⁵⁷⁾ Yachi could paint 12 signs in 1 hour. At that rate, how many signs could he paint in 3 hours? Make a table to solve this problem.

*4. ^(Inv. 5) Fifty percent of an hour is how many minutes?

*5. ⁽⁵¹⁾  **Estimate** Mount St. Helens is a volcano in Washington State. After erupting in May 1980, the peak of the volcano was 8363 feet above sea level. During the eruption, the volcano lost 1314 feet of its height. What is a reasonable estimate of the height of the volcano before its eruption? Explain your thinking.

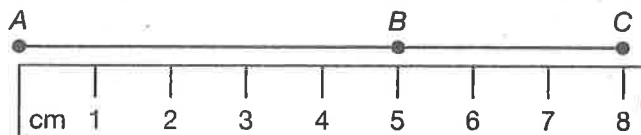
*6. **Multiple Choice** ⁽⁵⁵⁾ Which of these numbers is *not* a multiple of 2?
A 23 **B** 24 **C** 32 **D** 46

*7. ⁽¹⁹⁾ Write the time "a quarter to seven in the morning" in digital form.

*8. ⁽⁴¹⁾ Solve for n : $3n = 3 \times 5$

*9. ⁽³¹⁾ The product of 6 and 7 is how much greater than the sum of 6 and 7?

*10. ^(Inv. 2) What is the length of segment BC ?



*11. ⁽⁴⁵⁾ Compare: $(32 \div 8) \div 2$ \bigcirc $32 \div (8 \div 2)$

*12. ⁽⁴³⁾ $\$6.49 + \$12 + \$7.59 + 8\text{¢}$

Name _____

13. $6.5 + 4.75 + 11.3$
(50)
14. $12.56 - 4.3$
(50)
- *15.
$$\begin{array}{r} 350 \\ \times 5 \\ \hline \end{array}$$

(58)
- *16.
$$\begin{array}{r} 204 \\ \times 7 \\ \hline \end{array}$$

(58)
- *17.
$$\begin{array}{r} 463 \\ \times 6 \\ \hline \end{array}$$

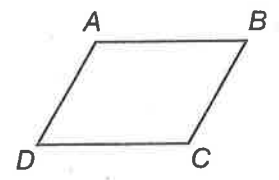
(58)
18. $4 \overline{)37}$
(53)
19. $6 \overline{)39}$
(53)
20. $3 \overline{)28}$
(53)

21. a. A nickel is what fraction of a dollar?
(36, Inv. 5)
- b. A nickel is what percent of a dollar?

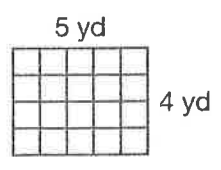
*22. Perfect squares have an odd number of factors. The numbers 9 and 25 are perfect squares. The three factors of 9 are 1, 3, and 9. What are the three factors of 25?
(Inv. 3, 55)

23. Compare: $5\% \bigcirc \frac{1}{2}$
(Inv. 5)

- *24. **Classify** Refer to figure ABCD to answer parts a and b.
(23)
- a. What type of angle are angles A and C?
- b. What type of angle are angles B and D?



*25. **Analyze** The rectangular room is 5 yards long and 4 yards wide.
(Inv. 2, Inv. 3)



- a. How many yards of molding are needed to go around the room?
- b. How many square yards of carpet are needed to cover the floor?

- *26. **Multiple Choice** If $n + 10 = 25$, then which of these equations is *not* true?
(24)
- A $n + 11 = 26$ B $n + 12 = 27$
- C $n - 5 = 20$ D $n + 9 = 24$

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- 27.** a. Compare: $8 \div (4 \div 2) \bigcirc (8 \div 4) \div 2$
(45, 47)
- b. Look at your answer to part a. Does the Associative Property apply to division?
- 28.** a. Nineteen pennies are what fraction of a dollar?
(36, Inv. 5)
- b. Nineteen pennies are what percent of a dollar?
- c. Write the value of nineteen pennies as a decimal part of a dollar.
- *29.** **Conclude** At the restaurant Jackson ordered a meal for \$7.95, a glass of milk for \$1.75, and a dessert for \$3.95. Estimate Jackson's restaurant bill.
(59)
- *30.** a. **Conclude** Name a segment that is parallel to \overline{EF} .
(23)
- b. Name a segment that is perpendicular to \overline{BF} .

