

**Formulate** Write and solve equations for problems 1 and 2.

1. Lobo works 8 hours each day and earns \$18 for each hour he works.  
(48) What amount of income does Lobo earn each day?

\*2. Every third bead on the necklace was red. There were one hundred forty-one beads in all. How many beads were red? (Make equal groups of three.)  
(52, 65)

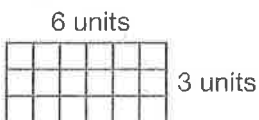
3. Twenty-five percent of this square is shaded. What percent of the square is not shaded?  
(Inv. 5)



\*4. **Represent** In one day, Liliana drove 20 kilometers north and then 15 kilometers south. How far was Liliana from where she started? Draw a diagram to solve the problem.  
(25)

5. At 11:45 a.m. Dequon glanced at the clock. His doctor's appointment was in  $2\frac{1}{2}$  hours. At what time was his appointment?  
(27)

\*6. a. **Analyze** In the figure below, we do not state the size of the units used to measure the rectangle. Find the perimeter and area of the rectangle. Label your answers with *units* or *square units*.  
(Inv. 2, Inv. 3)



b. **Represent** The rectangle has 3 rows of 6 squares, showing that 3 and 6 are factors of 18. Draw a rectangle arranged in two rows to show two other factors of 18.

\*7. **Explain** The car could go 30 miles on 1 gallon of gas. How far could the car go on 8 gallons of gas? Explain your thinking.  
(57)

\*8. Two sevenths of the crowd cheered wildly. The rest of the crowd stood quietly. What fraction of the crowd stood quietly?  
(61)

9. How many different three-digit numbers can you write using the digits 4, 2, and 7? Each digit may be used only once. Label the numbers you write as even or odd.  
(3, 10)

This page may not be reproduced without permission of Harcourt Achieve Inc.

Name \_\_\_\_\_

\*10. **Represent** Compare:  $\frac{1}{2}$   $\bigcirc$   $\frac{2}{5}$ . Draw and shade two congruent rectangles to show the comparison.  
(56)

11.  $n + 2 = 3 \times 12$   
(61)

12.  $6.42 - (3.3 - 1.5)$   
(45, 50)

\*13.  $\sqrt{81} + 82 + 3^2$   
(Inv. 3, 62)

14.  $\$10 - 10\text{¢}$   
(43)

15.  $43,016 - 5987$   
(52)

\*16.  $24 \times 3 \times 10$   
(62)

17.  $\begin{array}{r} \$4.86 \\ \times \quad 7 \\ \hline \end{array}$   
(58)

18.  $\begin{array}{r} 307 \\ \times \quad 8 \\ \hline \end{array}$   
(58)

19.  $\begin{array}{r} \$460 \\ \times \quad 9 \\ \hline \end{array}$   
(58)

\*20.  $2 \overline{)152}$   
(65)

\*21.  $6 \overline{)264}$   
(65)

\*22.  $4w = 56$   
(41, 64)

\*23.  $230 \div 5$   
(65)

\*24.  $91 \div 7$   
(64)

\*25.  $135 \div 3$   
(65)

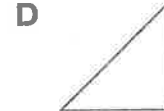
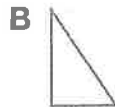
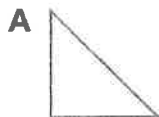
26. a. Write 8¢ using a dollar sign and a decimal point.  
(20, 35)  
b. Round \$11.89 to the nearest dollar.

\*27. **Represent** Use words to name each number:  
(35, Inv. 4)

a.  $2\frac{3}{10}$

b. 2.3

\*28. a. **Multiple Choice** Which two triangles are congruent?  
(66)



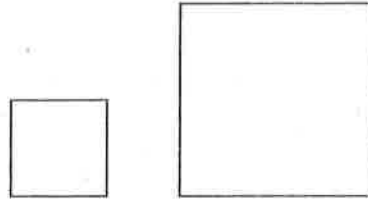
b. **Explain** Explain your answer to part a.

\*29. **Represent** Draw a pentagon. A pentagon has how many vertices?  
(63)

This page may not be reproduced without permission of Harcourt Achieve Inc.

Name \_\_\_\_\_

**\*30.**  **Conclude** Are all squares similar? Why or why not?  
(66)



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

Road signs often have the same shape, but they may not have the same size. Look at the road signs below. Find two signs that are congruent and two other signs that are similar but not congruent.



This page may not be reproduced without permission of Harcourt Achieve Inc.