

Write and solve equations for problems 1–5.

- \*1. There were 8 buses. Each bus could seat 60 students. How many students could ride in all the buses?  
(49)
  
- \*2. Each van could carry 9 students. There were 63 students. How many vans were needed to carry all of the students?  
(52)
  
- \*3. The coach separated 28 players into 4 equal teams. How many players were on each team?  
(52)
  
- 4. There are 10 swimmers in the race. Only 3 can be awarded medals. How many swimmers will not win a medal?  
(25)
  
- 5. Hermelinda finished first in the 100-meter freestyle race with a time of 57.18 seconds. Tanya finished second in 58.26 seconds. Hermelinda finished the race how many seconds sooner than Tanya?  
(31, 43)

6. **Connect** Write four multiplication/division facts using the numbers 7, 8, and 56.  
(47)

7. Compare:  $1 + 2 + 3 + 4$   $\bigcirc$   $\sqrt{100}$   
(Inv. 1, Inv. 3)

\*8. **Conclude** What are the next three numbers in this sequence?  
(3)  
..., 6000, 7000, 8000, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, ...

\*9. There were two hundred sixty-seven apples in the first bin. There were four hundred sixty-five apples in the second bin. How many fewer apples were in the first bin?  
(31)

\*10.  $8.49 + 7.3 + 6.15$   
(50)

11.  $6n = 42$   
(41)

\*12. 
$$\begin{array}{r} 47,586 \\ + 23,491 \\ \hline \end{array}$$
  
(51)

13. 
$$\begin{array}{r} \$5.00 \\ - \$3.26 \\ \hline \end{array}$$
  
(41)

14. 
$$\begin{array}{r} n \\ + 25.8 \\ \hline 60.4 \end{array}$$
  
(24, 43)

\*15. 
$$\begin{array}{r} 49 \\ \times 6 \\ \hline \end{array}$$
  
(48)

16. 
$$\begin{array}{r} 84 \\ \times 5 \\ \hline \end{array}$$
  
(48)

17. 
$$\begin{array}{r} 70 \\ \times 8 \\ \hline \end{array}$$
  
(42)

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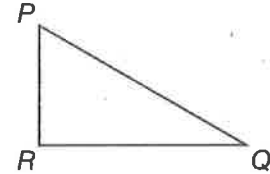
18. 
$$\begin{array}{r} 35 \\ (48) \times 9 \\ \hline \end{array}$$

19. 
$$\begin{array}{r} 400 \\ (24, 41) - n \\ \hline 256 \end{array}$$

\*20. 
$$\begin{array}{r} \$40.00 \\ (52) - \$24.68 \\ \hline \end{array}$$

21. a. Round 639 to the nearest hundred.  
 (20, 42) b. Round 639 to the nearest ten.

\*22. **Conclude** Which side of this triangle appears to be perpendicular to  $\overline{PR}$ ?  
 (23, 45)



23. Compare: 49%  $\bigcirc$   $\frac{1}{2}$   
 (Inv. 5)

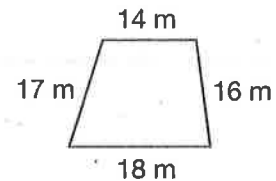
\*24. Divide. Check each answer by multiplying.  
 (51)

a.  $3 \overline{)27}$

b.  $7 \overline{)28}$

c.  $8 \overline{)72}$

\*25. This figure has four sides, but it is not a rectangle.  
 (Inv. 2) What is the perimeter of this figure?



26. **Estimate** a. Is \$24.10 closer to \$24 or to \$25?  
 (20, Inv. 4)

b. Is 24.1 closer to 24 or to 25?

\*27. **Multiple Choice** If  $\triangle = \square$ , which of these is *not* necessarily true?  
 (1, 41)

A  $\triangle + 2 = \square + 2$

B  $2 \times \triangle = 2 \times \square$

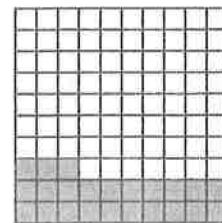
C  $\triangle - 2 = \square - 2$

D  $2 \times \triangle = \square + 2$

\*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?



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- \*29.**  **Explain** The answer to  $33 \div 8$  is not a whole number. What whole number represents a reasonable estimate of the answer? Explain why you chose that number.

- \*30.**  Look at these coins. List all of the different amounts you could make using exactly two coins. Arrange the amounts in order from least to greatest and write each amount with a dollar sign.

