

**Directions:** Write and solve equations for problems 1 and 2.

**\*1.** <sup>(25)</sup> The room was full of students when the bell rang. Then forty-seven students left the room. Twenty-two students remained. How many students were there when the bell rang? Use the subtraction formula to write an equation and solve the problem.

**\*2.** <sup>(11, 24)</sup> On Friday, 56 fourth grade students wore black shoes to school. There are 73 fourth grade students in all. How many fourth grade students did not wear black shoes to school on Friday?

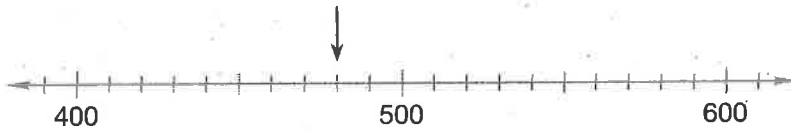
**\*3. Multiple Choice** <sup>(10)</sup> A nickel is worth 5¢. Gilbert has an even number of nickels in his pocket. Which of the following could *not* be the value of his nickels?  
**A** 45¢                      **B** 70¢                      **C** 20¢                      **D** 40¢

**\*4.** <sup>(27)</sup> Jillian's social studies class ends 15 minutes later than the time shown on the clock. What time does Jillian's class end?



**\*5. Predict** <sup>(3)</sup> What is the sixth number in this counting sequence?  
 6, 12, 18, ...

**\*6. Represent** <sup>(Inv. 1)</sup> To what number is the arrow pointing?



**\*7. Construct** <sup>(21, 26)</sup> Use a compass to draw a circle with a radius of 1 inch. Then shade one fourth of the circle.

**\*8. Represent** <sup>(7, 16)</sup> Write 843 in expanded form. Then use words to write the number.

**\*9. Multiply:** <sup>(28, 29)</sup>  
**a.**  $6 \times 8$                       **b.**  $4 \times 2$                       **c.**  $4 \times 5$                       **d.**  $6 \times 10$

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Name \_\_\_\_\_

- \*10. **Connect** Write two addition facts and two subtraction facts using the numbers 10, 20, and 30.  
(6)

- \*11. **Measure** Use a centimeter ruler to measure the rectangle below.  
(Inv. 2)
- How long is the rectangle?
  - How wide is the rectangle?
  - What is the perimeter of the rectangle?



- \*12. **Conclude** What type of angle is each angle of a rectangle?  
(23)

\*13. 
$$\begin{array}{r} 746 \\ - 295 \\ \hline \end{array}$$
  
(30)

14. 
$$\begin{array}{r} \$3.86 \\ + \$2.78 \\ \hline \end{array}$$
  
(22)

15. 
$$\begin{array}{r} 61 \\ - 48 \\ \hline \end{array}$$
  
(24)

\*16. 
$$\begin{array}{r} \$4.86 \\ - \$2.75 \\ \hline \end{array}$$
  
(30)

17.  $51 + m = 70$   
(24)

18.  $86 - a = 43$   
(24)

19.  $25 + y = 36$   
(24)

20.  $q - 24 = 37$   
(24)

21. **Reason** How can you round 89 to the nearest ten? Explain.  
(20)

22.  $25\text{¢} + 25\text{¢} + 25\text{¢} + 25\text{¢}$   
(17)


23. There are 100 cents in a dollar. How many cents are in half of a dollar?  
(22)

- \*24. **Represent** Change this addition problem to a multiplication problem. Then find the product on the multiplication table.  
(27, 28)

$$7 + 7 + 7 + 7 + 7 + 7 + 7$$

25.  $4 + 3 + 8 + 4 + 2 + 5 + 7$   
(1)

Name \_\_\_\_\_

- \*26. **Multiple Choice** Which of these sets of numbers is not an addition/subtraction fact family?  
(6)
- A 1, 2, 3      B 2, 3, 5      C 2, 4, 6      D 3, 4, 5
- \*27. Find each product on the multiplication table:  
(28)
- a.  $10 \times 10$       b.  $11 \times 11$       c.  $12 \times 12$
- \*28. **Formulate** Write a subtraction word problem using the numbers 8, 10, and 18.  
(2)
29.  **Money** Is \$500 a reasonable estimate for the difference \$749 - \$259? Explain why or why not.  
(30)
30. Suppose  $a + b = c$ . Write one more addition and two subtraction equations using  $a$ ,  $b$ , and  $c$ .  
(24)

**Early Finishers**

Real-World Connection

Paolo had \$12.70. Then his mother paid him \$3.25 for mopping. He bought a paperback book that costs \$4.99.

- Use compatible numbers to estimate how much money Paolo has now.
- Then find the actual amount of money Paolo has now.
- Was your estimate reasonable? Explain why or why not.

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