

$$\begin{array}{r} 64 \\ - w \\ \hline 31 \end{array} \downarrow \begin{array}{l} \text{Four minus what number is one? (3)} \\ \text{Six minus what number is three? (3)} \end{array}$$

or

$$\begin{array}{r} 64 \\ - w \\ \hline 31 \end{array} \uparrow \begin{array}{l} \text{One plus what number is four? (3)} \\ \text{Three plus what number is six? (3)} \end{array}$$

We find that the missing number is **33**. We check our work by using 33 in place of w in the original problem.

$$\begin{array}{r} 64 \\ - w \\ \hline 31 \end{array} \quad \begin{array}{r} 64 \\ - 33 \\ \hline 31 \end{array} \text{ check}$$

Lesson Practice

Write each number in expanded form:

a. 86

b. 325

c. 507

Find each missing number:

d. 36

e. 47

f. m

$$\begin{array}{r} - p \\ \hline 21 \end{array}$$

$$\begin{array}{r} - q \\ \hline 24 \end{array}$$

$$\begin{array}{r} - 22 \\ \hline 16 \end{array}$$

g. $w - 32 = 43$

h. $43 - x = 32$

Written Practice

Distributed and Integrated

Formulate Write and solve equations for problems 1 and 2.

*1. ^(11, 14) Twenty-three horses grazed in the pasture. The rest of the horses were in the corral. If there were eighty-nine horses in all, how many horses were in the corral?

*2. ^(1, 13) Three hundred seventy-five students were standing in the auditorium. The other one hundred seven students in the auditorium were sitting down. Altogether, how many students were in the auditorium?

3. ⁽⁶⁾ Use the numbers 22, 33, and 55 to write two addition facts and two subtraction facts.

*4. ⁽¹⁶⁾ **Represent** Write 782 in expanded form.

5. The largest three-digit odd number is 999. What is the smallest three-digit even number?

6. Compare:

(Inv. 1)

a. $918 \bigcirc 819$

b. $-7 \bigcirc -5$

7. Six weeks is how many days? Count by sevens.

(3)

*8. **Represent** To what number is the arrow pointing?

(Inv. 1)



9.
$$\begin{array}{r} \$576 \\ + \$128 \\ \hline \end{array}$$

(13)

10.
$$\begin{array}{r} \$243 \\ + \$578 \\ \hline \end{array}$$

(13)

11.
$$\begin{array}{r} 186 \\ + 285 \\ \hline \end{array}$$

(13)

12.
$$\begin{array}{r} 329 \\ + 186 \\ \hline \end{array}$$

(13)

13.
$$\begin{array}{r} d \\ + 12 \\ \hline 17 \end{array}$$

(14)

14.
$$\begin{array}{r} 17 \\ - a \\ \hline 9 \end{array}$$

(12)

15.
$$\begin{array}{r} 8 \\ + b \\ \hline 14 \end{array}$$

(1)

16.
$$\begin{array}{r} c \\ - 7 \\ \hline 2 \end{array}$$

(12)

*17.
$$\begin{array}{r} 25 \\ - 19 \\ \hline \end{array}$$

(15)

*18.
$$\begin{array}{r} 42 \\ - 28 \\ \hline \end{array}$$

(15)

*19.
$$\begin{array}{r} 46 \\ - 18 \\ \hline \end{array}$$

(15)

*20.
$$\begin{array}{r} 42 \\ - 16 \\ \hline \end{array}$$

(15)

*21.
$$\begin{array}{r} 68 \\ - d \\ \hline 34 \end{array}$$

(16)

*22.
$$\begin{array}{r} b \\ - 34 \\ \hline 15 \end{array}$$

(16)

*23.
$$\begin{array}{r} 62 \\ - h \\ \hline 21 \end{array}$$

(16)

*24.
$$\begin{array}{r} m \\ - 46 \\ \hline 32 \end{array}$$

(16)

*25. **Continue** Write the next three numbers in each counting sequence:

(3)

a. ..., 16, 20, 24, _____, _____, _____, ...

b. ..., 16, 12, 8, _____, _____, _____, ...

*26. **Multiple Choice** If $n - 3 = 6$, then which of these number sentences is *not* true?

(12, 16)

A $6 + 3 = n$

B $3 + 6 = n$

C $6 - 3 = n$



D $n - 6 = 3$

27. Elevation is a measure of distance above sea level. The elevations of three cities are shown in the table:

Elevations of Cities

City	State	Elevation (in feet above sea level)
Augusta	ME	45
Troy	NY	35
Hilo	HI	38

Write the names of the cities in order from the greatest elevation to least.

- *28. Draw a number line and mark the locations of the numbers 23, 26, and 30 by placing dots on the number line.
- *29.  **Explain** Malika's age is an odd number. The sum of Malika's age and Elena's age is an even number. Is Elena's age an odd number or an even number? Explain how you know.
- *30.  **Explain** Write an addition word problem for the equation $33 + m = 51$. Solve the problem for m and explain why your answer is reasonable.

Early Finishers

Real-World Connection

Trisha rolled a dot cube three times. She rolled 3, 5, and 4. Write all the three-digit numbers Trisha can make using these digits one time in each number. Then write the greatest and least number in expanded form.