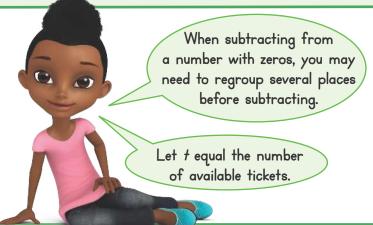
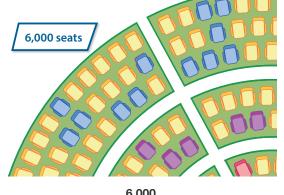




A music hall is hosting a concert. The hall sells 4,678 tickets to the show. How many tickets are still available?





4.678

t = 6,000 - 4,678

Estimate: 6,000 - 4,700 = 1,300

Regroup.

6,000	Because of the zeros, you need to
− 4,678	start regrouping from the thousands.

$$\overset{5}{\text{\%}},\overset{10}{\text{\%}}00$$
 6 thousands = 5 thousands
-4,678 + 10 hundreds

$$\overset{5}{\cancel{6}}, \overset{\mathring{\cancel{10}}}{\cancel{0}} \overset{10}{\cancel{0}} 0$$
 10 hundreds = 9 hundreds + 10 tens - 4,678

Subtract.

$$10 - 8 = 2 \text{ ones}$$
 $6,000$
 $90 - 70 = 20 = 2 \text{ tens}$
 $-4,678$
 $900 - 600 = 300$
 $= 3 \text{ hundreds}$
 $5,000 - 4,000 = 1,000$
 $= 1 \text{ thousand}$

Since the difference 1,322 is close to the estimate 1,300, the difference is reasonable.

There are still 1,322 tickets available for the concert.





Convince Me! Use Structure How would you regroup if the hall had 5,900 seats?



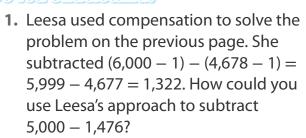




Do You Understand?

☆ Guided Practice





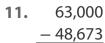
2. One passenger flew 11,033 kilometers from Oslo to Lima. Another passenger flew 8,593 kilometers from Oslo to Los Angeles. How many more kilometers was the flight to Lima?

Do You Know How?

For **3–8**, subtract.

Independent Practice *

For **9–23**, subtract.



Problem Solving

- **24. Construct Arguments** Will the difference between 44,041 and 43,876 be greater or less than 1,000? Explain.
- **25. Vocabulary** Define *variable* and give an example of how a variable is used in an equation.

For **26–27**, use the table at the right.

- **26.** How many more hip-hop than country downloads were sold?
- **27. Higher Order Thinking** How many more hip-hop and Latin downloads were sold than rock and country downloads? Explain.



Assessment Practice

28. Select all the correct differences.

$$64,002 - 43,178 = 20,934$$

$$98,000 - 59,214 = 38,786$$

$$\bigcirc$$
 600,482 - 428,531 = 171,951

29. Find the difference.