



### **Another Example**

Find the sum. 30,283 + 63,423 + 6,538

Estimate:

$$30,000 + 63,000 + 7,000 = 100,000$$

30,283 63,423 + 6,538

100,244

The sum is reasonable because it is close to the estimate of 100,000.

### **☆ Guided Practice**\*





#### In 1 through 4, find each sum.

- **5. Construct Arguments** When adding 36,424 and 24,842, why is there no regrouping in the final step?
- 6. Volunteer teams identified 73 species of fish, 30 species of coral, and 71 other invertebrate species on a reef. How many species were found in all?

## Independent Practice \*

Use estimation to check your answers for reasonableness.

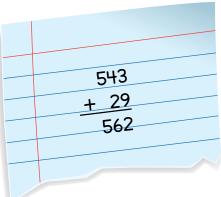


Leveled Practice In 7 through 14, find each sum.

# Problem Solving

**15. Communicate** Explain the mistake made when finding the sum.
What is the correct sum?

A good math explanation should be clear, correct, and easy to understand.





- **16.** Reason The sum of 86, 68, and 38 is 192. What do you also know about the sum of 68, 38, and 86? Explain.
- **17. Estimation** Maria added 45,273 and 35,687. Will her answer be greater or less than 80,000?

- 18. A mailman delivers 12,578 piecesof mail on Monday. He delivers 26,229 pieces of mail on Tuesday. How many pieces of mail does he deliver on both days?
  - A 15,129 pieces of mail
  - B 26,229 pieces of mail
  - C 36,239 pieces of mail
  - D 38,807 pieces of mail

19. Check for Reasonableness Look at the problem and the answer. Using estimation, determine if the given answer is reasonable. Explain.

224

303

+ 125 652

- 20. Extend Your Thinking There were 10,453 items checked out of the public library one week. The next week, 12,975 items were checked out. A week later, 9,634 items were checked out. How many items were checked out during the busiest two weeks?
- 21. Extend Your Thinking Abby read
  235 pages of a book. Joey read 123 more
  pages than Abby. How many pages did
  Abby and Joey read in all?