

## Additional Practice 2-2

### Estimating Sums and Differences

### Another Look!

You can use rounding to estimate sums and differences.



When you have an exact answer to an addition or subtraction problem, you can use your estimate to determine whether your exact answer is reasonable.

To estimate  $64,236 + 15,542$ :

Round to the nearest hundred

$$64,200 + 15,500 = 79,700$$

Round to the nearest thousand

$$64,000 + 16,000 = 80,000$$

Round to the nearest ten thousand

$$60,000 + 20,000 = 80,000$$

To estimate  $452,776 - 186,257$ :

Round to the nearest thousand

$$453,000 - 186,000 = 267,000$$

Round to the nearest ten thousand

$$450,000 - 190,000 = 260,000$$

Round to the nearest hundred thousand

$$500,000 - 200,000 = 300,000$$

**Leveled Practice** For 1–6, estimate each sum or difference.

1.  $753,265 \rightarrow \square\square00,000$   
 $- 419,057 \rightarrow -\square\square00,000$

2.  $7,792 \rightarrow \square,000$   
 $- 3,847 \rightarrow -\square,000$

3.  $2,189$   
 $+ 1,388$

4.  $9,245$   
 $- 4,033$

5.  $65,327 - 14,231$

6.  $391,192 + 511,864$

Your estimate may be different from someone else's estimate because you both round differently. That's okay.



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7. In one weekend, a theater sells 74,877 tickets to a new movie. They sell 21,243 tickets the following week and 39,643 tickets the following weekend. About how many more tickets do they sell the first weekend than the following week and weekend combined?

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8. Is 3,540 reasonable for the difference  $9,760 - 5,220$ ? Explain.

9. **Higher Order Thinking** The hospital hoped to raise \$750,000 at a telethon. They raised \$398,622 the first day and raised \$379,873 the second day. Did the hospital reach their goal? Explain how you estimated.

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### Assessment Practice

10. Pau's family drove 1,377 miles from Miami to Chicago. Then, they drove 1,350 miles from Chicago to Yellowstone National Park. Which is the best estimate of how many miles they drove in all?

- A 1,800 miles
- B 2,000 miles
- C 2,200 miles
- D 2,800 miles

11. There were 87,169 fans at the game on Saturday and only 37,245 fans at the game on Sunday. Which is a reasonable difference of  $87,169 - 37,245$ ? Use an estimate to decide.

- A 58,924 fans
- B 49,824 fans
- C 38,924 fans
- D 34,824 fans