

1.16

Estimating a Difference

• Example 1

Estimate the difference.

$$\begin{array}{r} 48,378 \\ - 34,429 \\ \hline \end{array}$$

Round 48,378 to 48,000 (the nearest thousand) and round 34,429 to 34,000. Our estimate of the difference is then $48,000 - 34,000 = 14,000$.

We will leave it to you to perform the subtraction and find the actual difference. Does your answer seem reasonable given our estimate?

● ● ● CHECK YOURSELF 1

Estimate the difference below by rounding to the nearest thousand. Then perform the actual subtraction to see if your answer seems reasonable, given your estimate.

$$\begin{array}{r} 53,928 \\ - 38,199 \\ \hline \end{array}$$

● ● ● CHECK YOURSELF ANSWER

1. Estimate: 16,000; difference: 15,729.
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1.16 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

Estimate each difference below by rounding to the nearest thousand. Then perform the actual subtraction to see if your answer seems reasonable, given your estimate.

$$\begin{array}{r} 1. \quad 5846 \\ - 1938 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 7983 \\ - 3579 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 29,857 \\ - 2,098 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 53,174 \\ - 30,098 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 6732 \\ - 3843 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 73,524 \\ - 42,678 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 9252 \\ - 1982 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 9440 \\ - 4279 \\ \hline \end{array}$$