

MY Homework

Lesson 2

Estimate Differences

Homework Helper



Need help? connectED.mcgraw-hill.com

Noah is buying one of two scooters. About how much money would Noah save if he bought the less expensive scooter? Round to the nearest ten and nearest hundred.



One Way Round the nearest hundred.

To the nearest hundred, Noah would save \$200.

$$\begin{array}{r} \$1,463 \longrightarrow \$1,500 \\ - \$1,322 \longrightarrow - \$1,300 \\ \hline \$ 200 \end{array}$$

Another Way Round to the nearest ten.

To the nearest ten, Noah would save \$140.

$$\begin{array}{r} \$1,463 \longrightarrow \$1,460 \\ - \$1,322 \longrightarrow - \$1,320 \\ \hline \$ 140 \end{array}$$

Each estimate is reasonable. There can be more than one reasonable estimate when solving a problem.

Practice

Estimate. Round each number to the indicated place value.

1. $816 - 708$; tens

$$\underline{820} - \underline{710} = \underline{110}$$

2. $466 - 152$; hundreds

$$\underline{500} - \underline{200} = \underline{300}$$

3. $537 - 288$; hundreds

$$\underline{500} - \underline{300} = \underline{200}$$

4. $9,531 - 1,428$; tens

$$\underline{9,530} - \underline{1,430} = \underline{8,100}$$

Estimate. Round each number to the nearest ten and nearest hundred.

| | Nearest 10 | Nearest 100 |
|----|---|---|
| 5. | $\begin{array}{r} 3,677 \\ - 2,232 \\ \hline \end{array}$ | $\begin{array}{r} 3,680 \\ - 2,230 \\ \hline 1,450 \end{array}$ |
| | | $\begin{array}{r} 3,700 \\ - 2,200 \\ \hline 1,500 \end{array}$ |
| 6. | $\begin{array}{r} 573 \\ - 441 \\ \hline \end{array}$ | $\begin{array}{r} 570 \\ - 440 \\ \hline 130 \end{array}$ |
| | | $\begin{array}{r} 600 \\ - 400 \\ \hline 200 \end{array}$ |
| 7. | $\begin{array}{r} 1,885 \\ - 483 \\ \hline \end{array}$ | $\begin{array}{r} 1,890 \\ - 480 \\ \hline 1,410 \end{array}$ |
| | | $\begin{array}{r} 1,900 \\ - 500 \\ \hline 1,400 \end{array}$ |



Problem Solving

8. Shannon's scout troop sold 2,357 boxes of cookies. They started with 3,600 boxes. To the nearest hundred, about how many boxes of cookies do they have left to sell?

About 1,200 boxes

9. **Mathematical PRACTICE 2** **Use Number Sense** Clearview Stadium sold 8,371 bags of peanuts last weekend. Capital Stadium sold 4,309 bags of peanuts last weekend. Which stadium sold more bags of peanuts? To the nearest ten, about how many more bags were sold?

Clearview Stadium; about 4,060 more bags

My Work!

Test Practice

10. Which shows the estimated difference for $8,859 - 3,591$ to the nearest hundred?
- (A) 5,000 (C) 5,300
 (B) 5,268 (D) 5,400