

## Rounding Word Problems

Use your estimated answer for part a) to check your answer for part b).

1. For the bake sale, Connie baked 144 cookies. Esther baked 49 more cookies than Connie.

a. About how many cookies did Connie and Esther bake? Estimate by rounding each number to the nearest ten before adding.

b. Exactly how many cookies did Connie and Esther bake?

2. Raffle tickets were sold for a school fundraiser to parents, teachers, and students. 563 tickets were sold to teachers. 888 more tickets were sold to students than to teachers. 904 tickets were sold to parents. How many tickets were sold to parents, teachers, and students?

a. About how many tickets were sold to parents, teachers, and students? Round each number to the nearest hundred to find your estimate.

b. Exactly how many tickets were sold to parents, teachers, and students?

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3. From 2010 to 2011, the population of Queens increased by 16,075. Brooklyn's population increased by 11,870 more than the population increase of Queens.

a. Estimate the total combined population increase of Queens and Brooklyn from 2010 to 2011. (Round the addends to the nearest thousand to estimate.)

b. Find the actual total combined population increase of Queens and Brooklyn from 2010 to 2011.

4. There were 3,905 more hits on the school's website in January than February. February had 9,854 hits. How many hits did the school's website have during both months?

a. About how many hits (round to the nearest thousand) did the website have during January and February?

b. Exactly how many hits did the website have during January and February?

5. On Sunday, 77,098 fans attended a New York Jets football game. The same day 3,397 more fans attended a New York Giants game than the Jets game. How many football fans watched the Jets and Giants play on Sunday?

a. Round each number to the nearest thousand to find an estimate of how many fans there are.

b. What was the actual number of fans who watched the games?

## Rounding Word Problems

Use your estimated answer for part a) to check your answer for part b).

1. For the bake sale, Connie baked 144 cookies. Esther baked 49 more cookies than Connie.

a. About how many cookies did Connie and Esther bake? Estimate by rounding each number to the nearest ten before adding.

190

b. Exactly how many cookies did Connie and Esther bake?

193

2. Raffle tickets were sold for a school fundraiser to parents, teachers, and students. 563 tickets were sold to teachers. 888 more tickets were sold to students than to teachers. 904 tickets were sold to parents. How many tickets were sold to parents, teachers, and students?

a. About how many tickets were sold to parents, teachers, and students? Round each number to the nearest hundred to find your estimate.

2,400

b. Exactly how many tickets were sold to parents, teachers, and students?

2,355



## Rounding Word Problems

3. From 2010 to 2011, the population of Queens increased by 16,075. Brooklyn's population increased by 11,870 more than the population increase of Queens.

a. Estimate the total combined population increase of Queens and Brooklyn from 2010 to 2011. (Round the addends to the nearest thousand to estimate.)

28,000

b. Find the actual total combined population increase of Queens and Brooklyn from 2010 to 2011.

27,945

4. There were 3,905 more hits on the school's website in January than February. February had 9,854 hits. How many hits did the school's website have during both months?

a. About how many hits (round to the nearest thousand) did the website have during January and February?

14,000

b. Exactly how many hits did the website have during January and February?

13,759

5. On Sunday, 77,098 fans attended a New York Jets football game. The same day 3,397 more fans attended a New York Giants game than the Jets game. How many football fans watched the Jets and Giants play on Sunday?

a. Round each number to the nearest thousand to find an estimate of how many fans there are.

80,000

b. What was the actual number of fans who watched the games?

80,495