

Name _____

Date _____

1. There are 598,500 Apple employees in the United States.
a. Round the number of employees to the given place value.

thousand: 599,000ten thousand: 600,000hundred thousand: 600,000

- b. Explain why two of your answers are the same.



600,000 is both the nearest ten thousand and nearest hundred thousand.

2. A company developed a student survey so that students could share their thoughts about school. In 2011, 78,234 students across the United States were administered the survey. In 2012, the company planned to administer the survey to 10 times as many students as were surveyed in 2011. About how many surveys should the company have printed in 2012? Explain how you found your answer.

$$78,234 \times 10 = 782,340 \quad 782,340 \approx 785,000$$

Ten times as many is 782,340. I rounded to the nearest 5000 and got 785,000.

NOTE: Other estimations are acceptable as long as they are greater than 782,340. Rounding down would not be appropriate.