Name _____ Date _____

1. a. Find the actual sum either on paper or using mental math. Round each addend to the nearest hundred, and find the estimated sums.

A	**B**	**C**
451 + 253 = _____ ____ + ____ = _____ 451 + 249 = _____ ____ + ____ = _____ 448 + 249 = _____ ____ + ____ = _____ Circle the estimated sum that is the closest to its real sum.	356 + 161 = _____ ____ + ____ = _____ 356 + 148 = _____ ____ + ____ = _____ 347 + 149 = _____ ____ + ____ = _____ Circle the estimated sum that is the closest to its real sum.	652 + 158 = _____ ____ + ____ = _____ 647 + 158 = _____ ____ + ____ = _____ 647 + 146 = _____ ____ + ____ = _____ Circle the estimated sum that is the closest to its real sum.

  b. Look at the sums that gave the most precise estimates. Explain below what they have in common. You might use a number line to support your explanation.

Lesson 17:   Estimate sums by rounding and apply to solve measurement word problems.

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2. Janet watched a movie that is 94 minutes long on Friday night. She watched a movie that is 151 minutes long on Saturday night.

   a. Decide how to round the minutes. Then, estimate the total minutes Janet watched movies on Friday and Saturday.

   b. How much time did Janet actually spend watching movies?

   c. Explain whether or not your estimated sum is close to the actual sum. Round in a different way, and see which estimate is closer.

3. Sadie, a bear at the zoo, weighs 182 kilograms. Her cub weighs 74 kilograms.

   a. Estimate the total weight of Sadie and her cub using whatever method you think best.

   b. What is the actual weight of Sadie and her cub? Model the problem with a tape diagram.

Lesson 17: Estimate sums by rounding and apply to solve measurement word problems.

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