Name

Date _____

- 1. Zachary's final project for a college course took a semester to write and had 95,234 words. Zachary wrote 35,295 words the first month and 19,240 words the second month.
 - a. Round each value to the nearest ten thousand to estimate how many words Zachary wrote during the remaining part of the semester.

b. Find the exact number of words written during the remaining part of the semester.

c. Use your answer from (a) to explain why your answer in (b) is reasonable.



Lesson 16:

Solve two-step word problems using the standard subtraction algorithm fluently modeled with tape diagrams, and assess the reasonableness of answers using rounding.



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- 2. During the first quarter of the year, 351,875 people downloaded an app for their smartphones. During the second quarter of the year, 101,949 fewer people downloaded the app than during the first quarter. How many downloads occurred during the two quarters of the year?
 - a. Round each number to the nearest hundred thousand to estimate how many downloads occurred during the first two quarters of the year.

b. Determine exactly how many downloads occurred during the first two quarters of the year.

c. Determine if your answer is reasonable. Explain.



Lesson 16:

Solve two-step word problems using the standard subtraction algorithm fluently modeled with tape diagrams, and assess the reasonableness of answers using rounding.



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Draw a tape diagram to represent each problem. Use numbers to solve, and write your answer as a statement.

1. Gavin has 1,094 toy building blocks. Avery only has 816 toy building blocks. How many more building blocks does Gavin have?

2. Container B holds 2,391 liters of water. Together, Container A and Container B hold 11,875 liters of water. How many more liters of water does Container A hold than Container B?



Lesson 17: Solve *additive compare* word problems modeled with tape diagrams.



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3. A piece of yellow yarn was 230 inches long. After 90 inches had been cut from it, the piece of yellow yarn was twice as long as a piece of blue yarn. At first, how much longer was the yellow yarn than the blue yarn?



Lesson 17:

n 17: Solve *additive compare* word problems modeled with tape diagrams.



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