

Name \_\_\_\_\_

Date \_\_\_\_\_

Estimate and then solve each problem. Model the problem with a tape diagram. Explain if your answer is reasonable.

1. 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 did the website have during January and February?

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

c. Is your answer reasonable? Compare your estimate from (a) to your answer from (b). Write a sentence to explain your reasoning.

2. On Sunday, 77,098 fans attended a New York Jets game. The same day, 3,397 more fans attended a New York Giants game than attended the Jets game. Altogether, how many fans attended the games?

a. What was the actual number of fans who attended the games?

b. Is your answer reasonable? Round each number to the nearest thousand to find an estimate of how many fans attended the games.

3. Last year on Ted's farm, his four cows produced the following number of liters of milk:

<b>Cow</b>	<b>Liters of Milk Produced</b>
Daisy	5,098
Betsy	
Mary	9,980
Buttercup	7,087

a. Betsy produced 986 more liters of milk than Buttercup. How many liters of milk did all 4 cows produce?

b. Is your answer reasonable? Explain.

## Answer Key

1.
  - a. 24,000
  - b. 23,613
  - c. Explanations will vary.
2.
  - a. 157,593
  - b. 157,000; explanations will vary.
3.
  - a. 30,238
  - b. Explanations will vary.