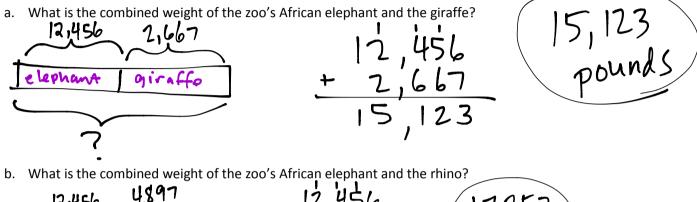
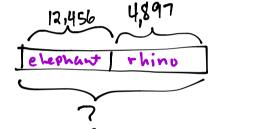
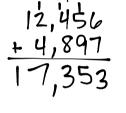
Directions: Draw a tape diagram to model the following problem. Use numbers and words to explain your work.

2. At the zoo, Brooke learned that one of rhinos weighed 4,897 pounds, one of the giraffes weighed 2,667 pounds, one of the African elephants weighed 12,456 pounds, and one of the Komodo dragons weighed 123 pounds.

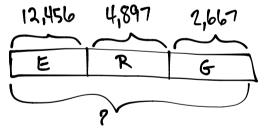


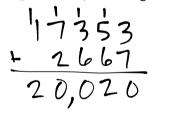






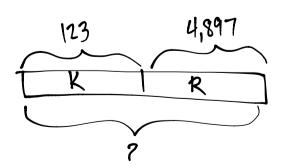
c. What is the combined weight of the zoo's African elephant, the rhino, and the giraffe?

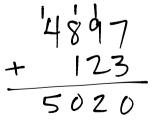


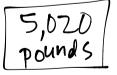




d. What is the combined weight of the zoo's Komodo dragon and the rhino?







1.D.13



Use place value understanding to fluently add multi-digit whole numbers using the standard addition algorithm and apply the algorithm to solve word problems using tape diagrams. 6/28/13



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Name

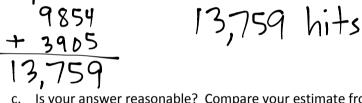
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Dat

Directions: 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?



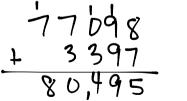
c. Is your answer reasonable? Compare your estimate from (a) to your answer from (b). Write a sentence to explain your reasoning.

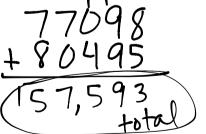
13.759 is close to 14.000

2. 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?

Jets: 77098 Giants: 80,495

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





engage

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

77,000 +77,000 + 3,000 = 157,000



Lesson 12:

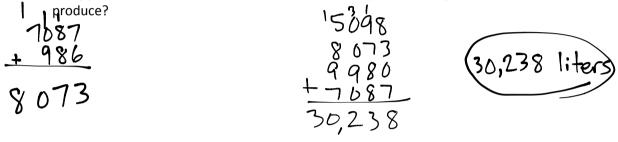
Solve multi-step word problems using the standard addition algorithm modeled with tape diagrams and assess the reasonableness of answers using rounding. 6/28/13



This work is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 Unported License. 3. Last year on Ted's farm, his four cows produced the following liters of milk:

Cow	Liters of Milk Produced	
Daisy	5,098	
Betsy	8073 🗲	
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



b. Is your answer reasonable? Explain.

$$5098 \rightarrow 5000$$

$$8073 \rightarrow 28000$$

$$9980 \rightarrow 10000$$

$$+ 7087 \rightarrow 7000$$

$$30000 \text{ is close}$$

$$+ 0 30,238$$



Lesson 12:

Solve multi-step word problems using the standard addition algorithm modeled with tape diagrams and assess the reasonableness of answers using rounding. 6/28/13





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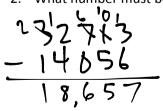
Name	Date
-	

1. Use the standard algorithm to solve the following subtraction problems.

b. 4 2, 431 **3 1** c. **%**22,431 **3** a. 2,**4**31 2,090 <u>-14,321</u> 408,110 <u>-92,420</u> 330,011 e. **8** / 82,430 f. 2**4**3.089 d, 422,431 <u>-92,300</u> <u>-137,079</u> -392,420 890,130 106,010 30,011

$$\begin{array}{c} p_{2} 2,431 - 920 = 1511 \\ \begin{array}{c} 1 & 2431 \\ \hline 920 \\ \hline 1511 \end{array} \end{array} \qquad \begin{array}{c} h \cdot 892,431 - 520,800 = \\ \hline 892,431 \\ \hline -520800 \\ \hline 371,631 \end{array}$$

2. What number must be added to 14,056 to result in a sum of 32,713?





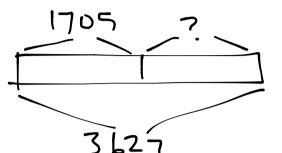
Use place value understanding to decompose to smaller units once using the standard subtraction algorithm, and apply the algorithm to solve word problems using tape diagrams. 6/28/13

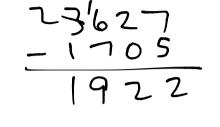


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Directions: Draw a tape diagram to model each problem. Use numbers to solve and write your answers as a statement. Check your answers.

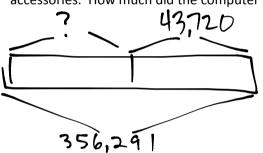
3. An elementary school collected 1,705 bottles for a recycling program. A high school also collected some bottles. Both schools collected 3,627 bottles combined. How many bottles did the high school collect?

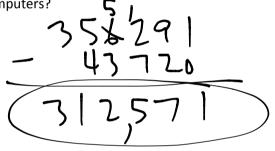




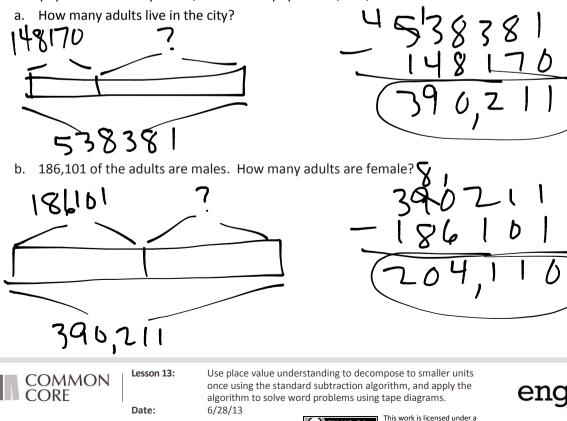


4. A computer shop sold \$356,291 worth of computers and accessories. It sold \$43,720 worth of accessories. How much did the computer shop sell in computers?





5. The population of a city is 538,381. In that population, 148,170 are children.





1.E.14

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Name	Date	

1. Use the standard algorithm to solve the following subtraction problems.

a. 
$$71, 89$$
  
 $-21, 492$   
 $50, 497$   
b.  $2351, 89$   
 $-96, 492$   
 $275, 497$   
c.  $354, 89$   
 $-25, 192$   
 $345, 897$ 

d. 
$$879,8189$$
  
 $-721,492$   
 $158,497$   
e.  $787,909$   
 $-788,492$   
 $90,517$   
 $879,989$   
 $-21,070$   
 $858,919$ 

g. 
$$87$$
,  $87$ ,  $8$ 



Lesson 14:

Date:

Use place value understanding to decompose to smaller units up to 3 times using the standard subtraction algorithm, and apply the algorithm to solve word problems using tape diagrams. 6/28/13

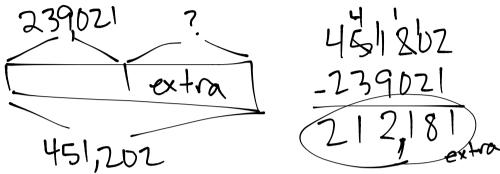


1.E.25

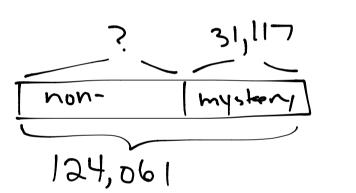


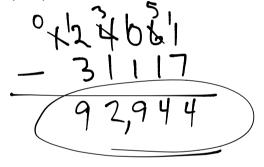
Directions: Draw a tape diagram to represent each problem. Use numbers to solve and write your answer as a statement.

2. Jason ordered 239,021 pounds of flour to be used in his 25 bakeries. The company delivering the flour showed up with 451,202 pounds. How many extra pounds of flour were delivered?



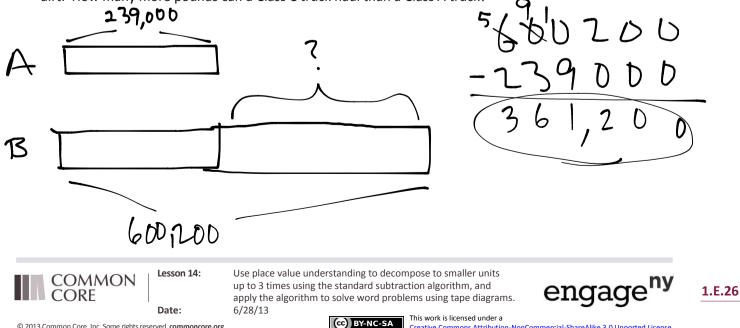
3. In May, the New York Public Library had 124,061 books checked out. Of those books, 31,117 were mystery books. How many of checked out books were not mystery books?





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4. A Class A dump truck can haul 239,000 pounds of dirt. A Class C dump truck can haul 600,200 pounds of dirt. How many more pounds can a Class C truck haul than a Class A truck?



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Name	Date	

1. Directions: Use the standard subtraction algorithm to solve the problems below.

- **858**,**65**6 8-21656 c. 6759,656 а. b. <u>8,818</u> <u>-5,880</u> 5**3,776** <u>-579,989</u> **179,667**
- **6 4 5 0** 2 **2 4** , **3** 5 0 2 2 4 , 4 5 0 f. 183, 150 d. е. <u>-166,370</u> 127,780 <u>-239,089</u> **55,061** <u>-96,400</u> 197,750

g. 7828,520	h. <b>7 %</b> b, 500	<b>רו ק ק 'יין ק ,</b> i. צעע, 5ע0
<u>-79,989</u> 72 6 5 1 1	<u>-45,500</u> 7 <b>55.000</b>	<u>-276,664</u> <b>F7383</b>
720,511	100,000	523,836



Lesson 15:

Date:

Use place value understanding to fluently decompose to smaller units multiple times in any place using the standard subtraction algorithm, and apply the algorithm to solve word problems using tape diagrams. 6/28/13

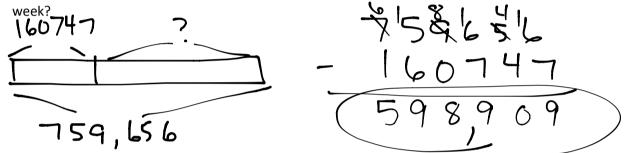


Directions: Use a tape diagram to solve the problems below. Check your answers.

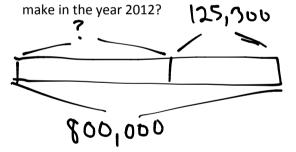
2. A fishing boat was out to sea for 6 months and traveled a total of 8,578 miles. In the first month, the boat traveled 659 miles. How many miles did the fishing boat travel during the remaining 5 months?

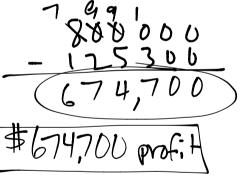


3. A national monument had 160,747 visitors during the first week of September. A total of 759,656 people visited the monument in September. How many people visited the monument in September after the first

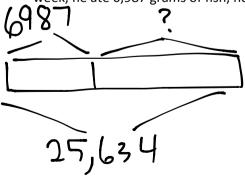


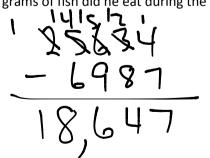
4. Shadow Software Company earned a total of \$800,000 selling programs during the year 2012. \$125,300 of that amount was used to pay expenses of the company. How much profit did Shadow Software Company

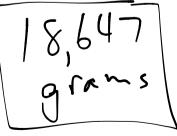




5. At the local aquarium, Bubba the Seal ate a 25,634 grams of fish during the week. If, on the first day of the week, he ate 6,987 grams of fish, how many grams of fish did he eat during the remainder of the week?







engac



Use place value understanding to fluently decompose to smaller units multiple times in any place using the standard subtraction algorithm, and apply the algorithm to solve word problems using tape diagrams. 6/38/13

**y** 1.E.38

Name

Date \_\_\_\_\_

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

- 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. How many words did he write during the remaining part of the semester?
  - a. Round each value to the nearest ten thousand to estimate how many words Zachary wrote during the remaining part of the semester.

 $95,734 \approx 100,000$   $35,295 \approx 40,000$   $19,240 \approx 20,000$ 

40.000+20,000 = 60,000 100,000-60,000 = 40,000 words

b. Find the exact number of words written during the remaining part of the semester. 35,295 |9,240 19,240 19,240 54,535 40,699 95,234c. Use your answer from (a) to explain why your answer in (b) is reasonable.

## My answer is reasonable because it is almost equal to my estimate.



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Lesson 16:

Date:

Solve two-step word problems using the standard subtraction algorithm fluently modeled with tape diagrams and assess the reasonableness of answers using rounding. 6/28/13



1.E.51

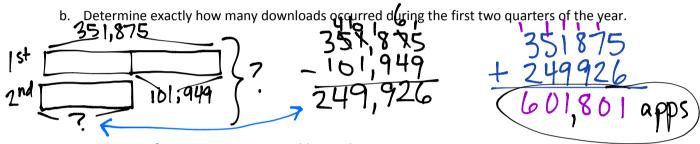
- 2. During the first quarter of the year, 351,875 people purchased a particular app for their smartphones. During the second quarter of the year, 101,949 fewer people downloaded the app than during the first quarter. How many downloads occurred during the two quarters of the year?
  - a. Round each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

351,875~ 400,000  $101,949 \approx 100,000$ 

400,000 + 300,000 = 700,000

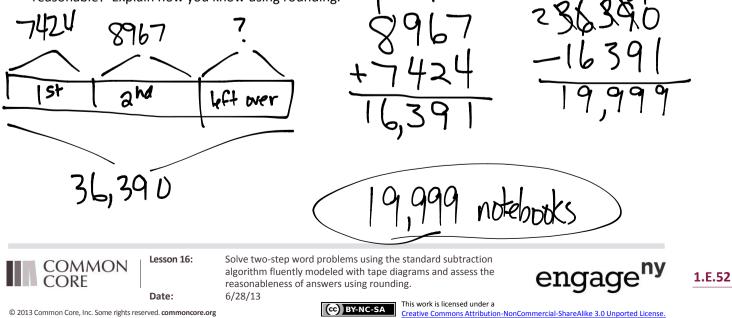
Lesson 16 Homework

4.1



Determine if your answer is reasonable. Explain. c.

3. A local store was having a two-week Back to School sale. They started the sale with 36,390 notebooks. During the first week of the sale, 7,424 notebooks were sold. During the second week of the sale, 8,967 notebooks were sold. How many notebooks were left at the end of the two weeks? Is your answe reasonable? Explain how you know using rounding.

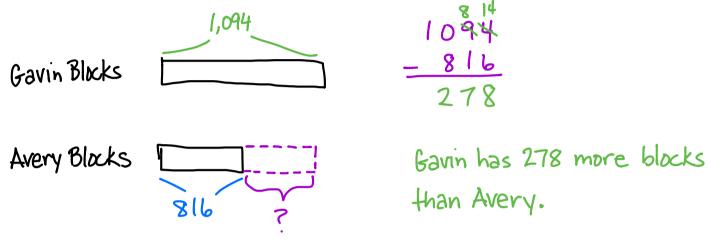


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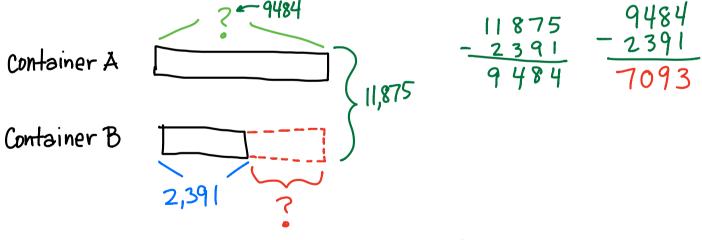
Date \_\_\_\_\_

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?

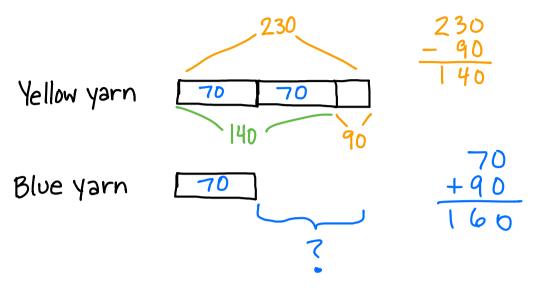


Container A holds 7,093 liters more than Container B.



252

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?



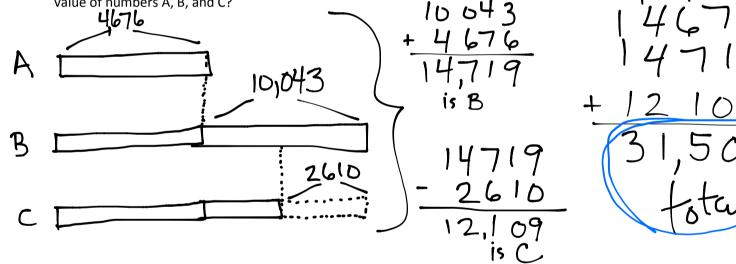
At first, the yellow yarn was 160 inches longer than the blue.



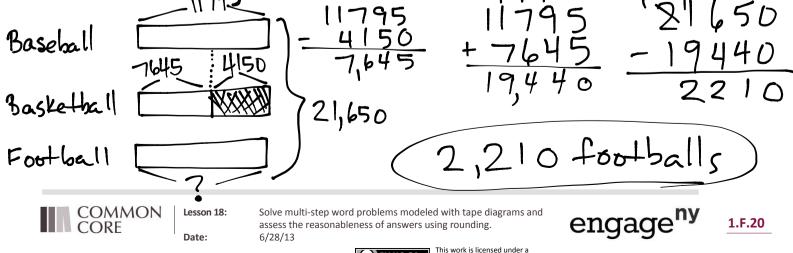
Name	Da	ate

Directions: Model each problem using a tape diagram. Solve using numbers and words.

- 1. There were 22,869 children, 49,563 men, and 2,872 more women than men at the fair. How many people were at the fair? Children 22,869 124,867 49563Men 49563 + 2872 ? + 2872 124867Women 124,867 + 2872 124867
  - 2. Number A is 4,676. Number B is 10,043 greater than A. Number C is 2,610 less than B. What is the total value of numbers A, B, and C?



3. A store sold a total of 21,650 balls. It sold 11,795 baseballs. It sold 4,150 fewer basketballs than baseballs. The rest of the tails sold were footballs. How many footballs did the store sell?





Date \_\_\_\_\_ Name \_\_\_\_\_

Directions: Using the diagrams below, create your own word problem to solve for the missing variable.

1.	At the local botanical gardens, there are $6294$	Redwood	Cypress Dogwood
	Redwoods and <u>3,849</u> Cypress trees. There are a total of <u>12,115</u> Redwood,	6,294	3,849 A
	Cypress, and Dogwood trees. How many DOGWOOD FEES are there?		2,115
	ANSWERS	WILL	VARY
2.	There are 65,302 girls in Pleasanton.	65,302	
	There are 37,436 fewer boys in	Girls	Т
	How many boys and girls are in Pleasanton ?	37 BOYS	,436



Lesson 19:

Create and solve multi-step word problems from given tape diagrams and equations. 6/28/13

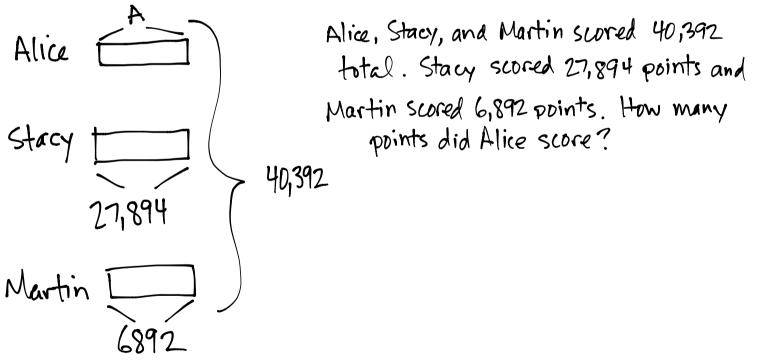


1.F.31

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- A Three ribbons have a combined length of 215,561 centimeters. The red ribbon is 42,086 cm long. The yellow ribbon is 36,538 42,086 cm longer than the red. How long is the blue ribbon?
- 3. Use the following tape diagram to create a word problem to solve for the missing variable.

4. Use the equation 27,894 + A + 6,892 = 40,392 to model a tape diagram, create a word problem, and solve.





Lesson 19: Date: Create and solve multi-step word problems from given tape diagrams and equations. 6/28/13



