

Week 5 Homework

Another Look! Due Monday 9/16/19

Find  $700,402 - 297,354$ .

Estimate:  $700,000 - 300,000 = 400,000$

Homework & Practice 2-5  
Subtract Across Zeros

Step 1

$$\begin{array}{r} 700,402 \\ - 297,354 \\ \hline \end{array}$$

You cannot subtract 4 ones from 2 ones, so you must regroup. Since there is a zero in the tens place, you must regroup 4 hundreds as 3 hundreds, 9 tens, and 10 ones.

$$\begin{array}{r} \phantom{7}^9 \phantom{0}^3 \phantom{0}^1 \phantom{0}^2 \\ 700,402 \\ - 297,354 \\ \hline \end{array}$$

Step 2

$$\begin{array}{r} \phantom{6}^9 \phantom{0}^3 \phantom{0}^1 \phantom{0}^2 \\ 700,402 \\ - 297,354 \\ \hline \end{array}$$

Since there are zeros in the thousands and ten thousands places, you can regroup 700 thousands as 6 hundred thousand 9 ten thousands, and 10 thousands.

Step 3

$$\begin{array}{r} \phantom{6}^9 \phantom{0}^3 \phantom{0}^1 \phantom{0}^2 \\ 700,402 \\ - 297,354 \\ \hline 403,048 \end{array}$$

Now you can subtract.

Step 4

$$\begin{array}{r} \phantom{11} \phantom{11} \\ 297,354 \\ + 403,048 \\ \hline 700,402 \end{array}$$

You can check your answer by using addition.

You can use these steps to subtract across zeros.



1.  $\begin{array}{r} \phantom{5}^9 \phantom{0}^1 \phantom{0}^6 \\ 5,070 \\ - 4,981 \\ \hline 56,089 \end{array}$  check:  $\begin{array}{r} 56,089 \\ + 4,981 \\ \hline 61,070 \checkmark \end{array}$

3.  $\begin{array}{r} \phantom{7}^11 \phantom{0}^4 \phantom{0}^10 \\ 815,950 \\ - 423,147 \\ \hline 392,803 \end{array}$  check:  $\begin{array}{r} 392,803 \\ + 423,147 \\ \hline 815,950 \checkmark \end{array}$

5.  $\begin{array}{r} \phantom{10}^9 \phantom{0}^12 \phantom{0}^5 \phantom{0}^10 \\ 102,604 \\ - 6,174 \\ \hline 96,430 \end{array}$  check:  $\begin{array}{r} 96,430 \\ + 6,174 \\ \hline 102,604 \checkmark \end{array}$

7.  $\begin{array}{r} \phantom{4}^9 \phantom{0}^11 \phantom{0}^9 \\ 40,200 \\ - 29,526 \\ \hline 10,674 \end{array}$  check:  $\begin{array}{r} 10,674 \\ + 29,526 \\ \hline 40,200 \checkmark \end{array}$

9.  $\begin{array}{r} \phantom{8}^10 \phantom{0}^9 \phantom{0}^16 \\ 8,006 \\ - 2,999 \\ \hline 5,107 \end{array}$  check:  $\begin{array}{r} 5,107 \\ + 2,999 \\ \hline 8,106 \checkmark \end{array}$

11.  $\begin{array}{r} \phantom{10}^3 \phantom{0}^9 \\ 10,400 \\ - 6,392 \\ \hline 4,008 \end{array}$  check:  $\begin{array}{r} 4,008 \\ + 6,392 \\ \hline 10,400 \checkmark \end{array}$

13. **Number Sense** Este subtracts 9,405 from 11,038. Should Este's answer be greater or less than 2,000? Explain.

Este's answer should be less than 2,000 because  $11,000 - 9,000$  is 2,000, but more than 9,000 is being subtracted, so the difference is less. (SAMPLE)

14. A park district holds a fundraiser over 4 weekends in which teams swim laps for donations. The park district's goal is 40,000 laps. Over three weekends the teams swam 8,597 laps, 11,065 laps, and 9,211 laps. How many laps do they need to swim the fourth weekend to reach their goal?

15. **MP.2 Reasoning** Fill in the missing numbers:

$$106,984 - 37,639 = \underline{69,345}, \text{ and}$$

$$\underline{69,345} + \underline{37,639} = \underline{106,984}.$$

Explain why you use addition to check subtraction.

You use addition to check subtraction because they are inverse operations

16. **MP.3 Construct Arguments** Blaine subtracted 342,139 from 601,800. Is Blaine's answer correct? If not, explain why and write the correct answer.

Blaine's answer is incorrect because he did not correctly regroup the 600,000 to 500,000 + 10 hundred thousands.

$$\begin{array}{r} 601,800 \\ - 342,139 \\ \hline 259,661 \end{array}$$

Correct answer: 259,661

17. **MP.5 Use Appropriate Tools** There are 332,054 people in a city. Of these, 168,278 are under the age of eighteen. Draw a bar diagram and find how many people are eighteen or older.

18. **Higher Order Thinking** To most closely estimate the difference below, would you round the numbers to the nearest ten thousand, the nearest thousand, or the nearest hundred? Explain.

$$\begin{array}{r} 62,980 \\ - 49,625 \\ \hline \end{array}$$

**Common Core Assessment**

19. Sahira's company printed 37,652 books of the 70,000 that were ordered. How many more books does Sahira's company need to print? Write the missing numbers to complete the problem.

$$\begin{array}{r} 70,000 \\ - 37,652 \\ \hline 32,348 \end{array}$$

Check:  $32,348 + 37,652 = 70,000$

Name \_\_\_\_\_

TOPIC  
**2**

# Fluency Practice Activity

Follow the Path



Shade a path from **START** to **FINISH**.  
Follow the sums that are correct. You can only move up, down, right, or left.

correct     incorrect

I can ...  
add multi-digit whole numbers.

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Start				
<del>213 + 675 888</del>	<del>264 + 632 896</del>	<del>887 + 112 999</del>	124 + 345 461	414 + 111 515
810 + 172 982	212 + 486 678	<del>511 + 228 739</del>	245 + 322 667	613 + 282 891
454 + 545 919	187 + 412 499	<del>676 + 322 998</del>	101 + 116 218	454 + 432 876
409 + 390 697	340 + 340 620	<del>124 + 65 189</del>	<del>911 + 64 975</del>	<del>674 + 115 789</del>
374 + 613 978	318 + 121 429	177 + 311 478	612 + 317 939	<del>678 + 321 999</del>
				Finish

*Use your notebook to help you!*

Understand Vocabulary

1. Circle the property of addition shown by  $126 + 0 = 126$ .

Associative

Commutative

Identity

2. Circle the property of addition shown by  $21 + 34 = 34 + 21$ .

Associative

Commutative

Identity

3. Circle the property of addition shown by  $(1 + 3) + 7 = 1 + (3 + 7)$ .

Associative

Commutative

Identity

4. Draw a line from each term to its example.

algorithm	$4 + 2 = 6 \rightarrow 6 - 2 = 4$
compensation	$130 - 31 \rightarrow 130 - 30 = 100$ $100 - 1 = 99$
counting on	Step 1: Add the ones. Step 2: Add the tens.
inverse operations	$x = 7$
variable	$6 + 20 + 300 = 326$

Word List

- algorithm
- Associative Property of Addition
- Commutative Property of Addition
- compensation
- counting on
- Identity Property of Addition
- inverse operations
- variable

Use Vocabulary in Writing

5. Rob found  $103 + 1,875 = x$  using mental math. Use at least 3 terms from the Word List to describe how Rob could find the sum.

*Rob could find the sum of  $103 + 1,875$  by*

*(Show Ms. Neenham!)*