

## Welcome to HCA's **Summer Math** Review!

Inside this file, you will find pages and pages of math review worksheets. These were selected to help your student review the math concepts from their recently completed grade level. Many of these worksheets are from the Math in Focus's Reteach workbook. The "Contents" pages show the chapters that are included, the concepts the worksheet is reviewing, and gives a check-box to mark when the worksheet (which includes several pages) is completed. At the end of some of the chapters you will find a fun math page for your student to enjoy.

If review of the concept is needed, you can access the *Math in Focus* (MIF) textbook online. Simply go to the Heritage Christian website, [www.heritagechristian.info](http://www.heritagechristian.info), and select the menu "Academics," then select "Elementary," then select "Math In Focus," then select "Online Access." Upon arriving there, you will find instructions for how to access the online text, and be able to select the grade level you need. If you need a User Name and the Password email Stacy Loyd at [sloyd@heritagechristian.info](mailto:sloyd@heritagechristian.info). MIF texts are divided into two books, A and B, which cover the entire year. Choose the appropriate volume for the chapter that you need.

If you are looking for online games for your child that help develop logical thinking skills (which are crucial to succeeding in mathematics), here are a few ideas:

a. **BigSeed** by Mind Research Institute

This FREE iPad application develops problem solving and spatial reasoning skills. Jiji the Penguin helps you fold colored tiles to fill in the available empty spaces. Jiji walks you through the levels, lets you know when you are wrong, and cheers you on as you progress through the levels. An added bonus, there are no words to read, so the instructions are given visually (and very effectively, I might add). So even a young math learner can enjoy this game!

b. **KickBox** by Mind Research Institute

Another FREE iPad application that helps develop multi-step thinking skills. Join Jiji the Penguin this time as you position lasers and mirrors to remove balls that block the penguin's path. You are

encouraged as you move through the levels and again, there are no words to read for instructions.

c. Sudoku Puzzles

There are many online Sudoku sites, some with printable puzzles, and books aplenty that feature this addicting game. Sudoku develops logical thinking and promotes multi-step thinking with it's easy-to-understand puzzle format. The puzzle features 9 grids, each grid composed of a 3x3 square. Within each square, the digits 1 to 9 are arranged with no repeats. But within each column and row of the entire puzzle, the digits 1 to 9 are also arranged with no repeats. Try the ones labeled "easy" first (make sure you use a pencil!), and see if your student does not become an avid fan of this engaging puzzle.

d. MasterMind (online)

If you don't have Apple technology, you can play MasterMind online via this website:

<http://www.kidsmathgamesonline.com/logic/mastermind.html>

Simply drag the colored balls into the 4 spots and try to find out the color sequence that the computer has chosen. With each attempt the computer will let you know using black (right color, wrong place) or white (right color, right place) pegs if your attempt was close. Be aware there are a lot of ads on this site which can be misleading.

e. Tower of Hanoi (online)

Another game that doesn't need Apple technology, you can play Tower of Hanoi via this website:

<http://www.kidsmathgamesonline.com/logic/towersofhanoi.html>

The goal of this game is to move one pile of blocks from one peg to another, making sure you follow only 2 rules: you can only move one block at a time, and you can't put a larger block on top of a smaller one. You can vary the number of blocks you can work with. Simple game idea, but if you get up to 7 blocks, it gets very tough.

Hopefully, as your student accomplishes these worksheets and has some fun with these games, may they come to realize that math is more than learning about numbers, it is about learning how to think. May your summer be full of great memories and fun learning! Please have your student bring completed math work to school in the fall for recognition from her or her new teacher!

See you in the fall,

Joleen Steffen

Faculty Math Coach

Heritage Christian Academy

# Grade 4 Summer Math Contents

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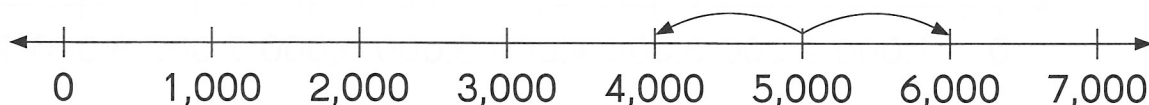
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## Worksheet 3 Comparing and Ordering Numbers

Complete.

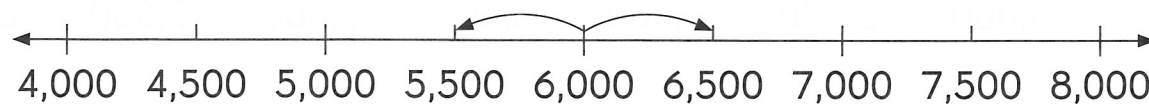
Example



a. 1,000 more than 5,000 is 6,000.

b. 1,000 less than 5,000 is 4,000.

1.



a. 500 more than 6,000 is \_\_\_\_\_.

b. 500 less than 6,000 is \_\_\_\_\_.

Fill in the missing numbers.

Example

350 more than 490 is 840.

2. 550 more than 170 is \_\_\_\_\_.

3. 450 more than 170 is \_\_\_\_\_.

4. \_\_\_\_\_ more than 650 is 900.

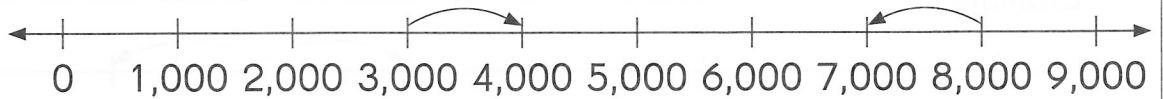
5. 250 more than \_\_\_\_\_ is 790.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Show each statement on the number line.  
Then fill in the missing numbers.**

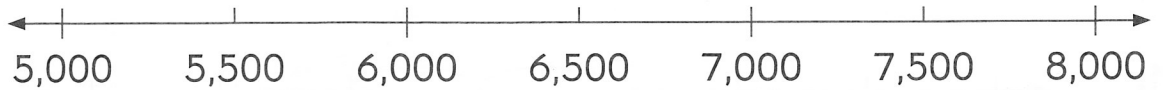
*Example*



**a.** 1,000 more than 3,000 is 4,000.

**b.** 1,000 less than 8,000 is 7,000.

**6.**



**a.** 500 more than 5,500 is \_\_\_\_\_.

**b.** 500 less than 7,500 is \_\_\_\_\_.

**Fill in the blanks.**

*Example*

What is 2,000 more than 4,500? 6,500

**7.** What is 2,000 less than 3,500? \_\_\_\_\_

**8.** What is 500 more than 6,000? \_\_\_\_\_

**9.** What is 500 less than 7,000? \_\_\_\_\_



Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Fill in the missing numbers.

*Example*

1,000 more than 8,000 is 9,000.

10. 1,000 more than 7,500 is \_\_\_\_\_.

11. 500 more than 4,000 is \_\_\_\_\_.

12. 500 less than 6,500 is \_\_\_\_\_.

13. 1,000 less than 9,500 is \_\_\_\_\_.

### Order from greatest to least.

14. 276    209    513

\_\_\_\_\_

15. 476    900    784

\_\_\_\_\_

16. 349    617    825

\_\_\_\_\_

**Complete.***Example*

$$\begin{array}{r} + 1,000 \\ 6,000 \quad \underline{\hspace{2cm}} \\ \quad \quad \quad 7,000 \end{array}$$

Use the rule to find the missing number. This **rule** is to add 1,000 to the first number.

**17.**

$$\begin{array}{r} + 700 \\ 4,000 \quad \underline{\hspace{2cm}} \end{array}$$

**18.**

$$\begin{array}{r} + 80 \\ 8,000 \quad \underline{\hspace{2cm}} \end{array}$$

**19.**

$$\begin{array}{r} - 1,000 \\ 4,000 \quad \underline{\hspace{2cm}} \end{array}$$

**20.**

$$\begin{array}{r} - 800 \\ 6,000 \quad \underline{\hspace{2cm}} \end{array}$$

**21.**

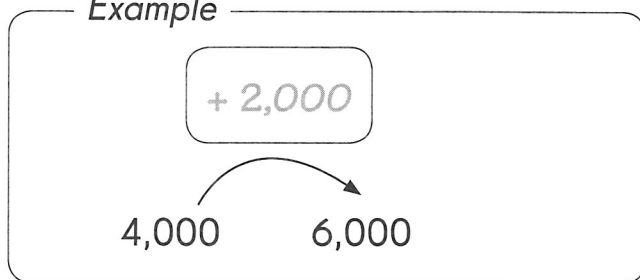
$$\begin{array}{r} - 30 \\ 2,000 \quad \underline{\hspace{2cm}} \end{array}$$

Name: \_\_\_\_\_

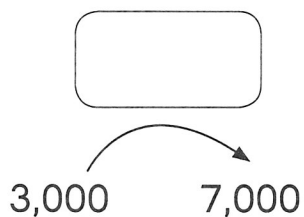
Date: \_\_\_\_\_

### Add thousands.

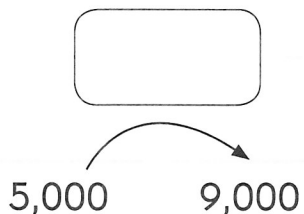
Example



22.

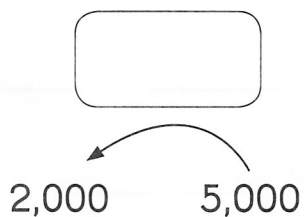


23.

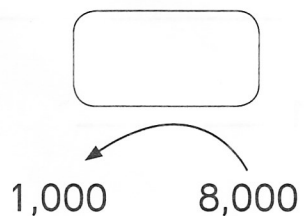


### Subtract thousands.

24.



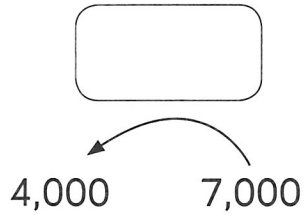
25.



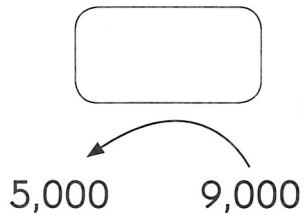
Name: \_\_\_\_\_

Date: \_\_\_\_\_

26.



27.



**Complete the number patterns.**

28. 2,400 3,500 4,600 \_\_\_\_\_

29. 1,500 3,600 5,700 \_\_\_\_\_

30. 5,500 5,000 4,500 4,000 \_\_\_\_\_

31. 9,700 9,300 8,900 8,500 \_\_\_\_\_

**Fill in the missing numbers.**

32. 5,378 5,478 \_\_\_\_\_ 5,778 \_\_\_\_\_

33. 7,468 7,068 \_\_\_\_\_ 5,868 \_\_\_\_\_

34. 3,057 3,357 \_\_\_\_\_ 4,257 \_\_\_\_\_

35. 9,841 9,641 \_\_\_\_\_ 9,041 \_\_\_\_\_

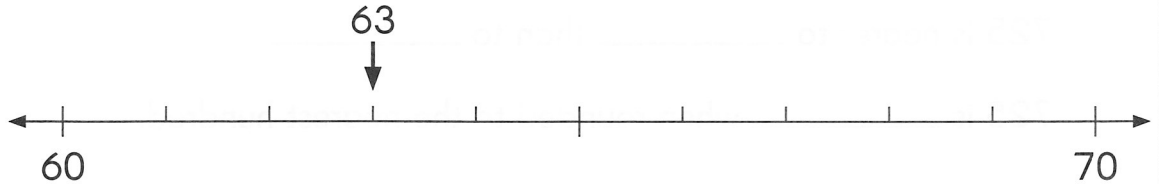
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Date: \_\_\_\_\_

## Worksheet 4 Rounding Numbers to Estimate

Complete.

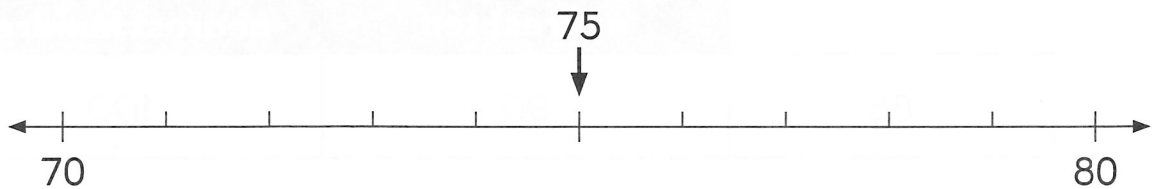
Example



63 is nearer to 60 than to 70.

63 is 60 when **rounded** to the nearest ten.

1.



75 is exactly halfway between 70 and 80.

75 is \_\_\_\_\_ when rounded to the nearest ten.

2.



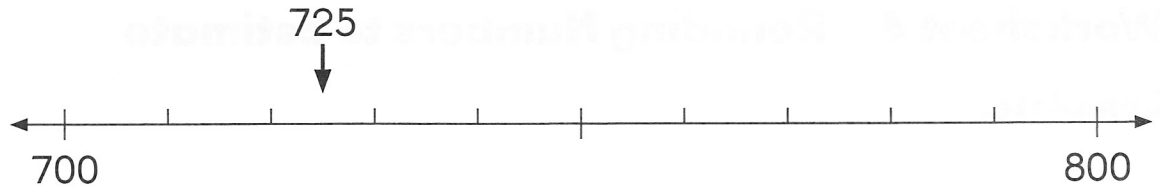
470 is nearer to \_\_\_\_\_ than to \_\_\_\_\_.

470 is \_\_\_\_\_ when rounded to the nearest hundred.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

3.



725 is nearer to \_\_\_\_\_ than to \_\_\_\_\_.

725 is \_\_\_\_\_ when rounded to the nearest hundred.

**Round each number to the nearest ten and then to the nearest hundred.**

*Example*

	<b>Rounded to the nearest ten</b>	<b>Rounded to the nearest hundred</b>
85	90	100

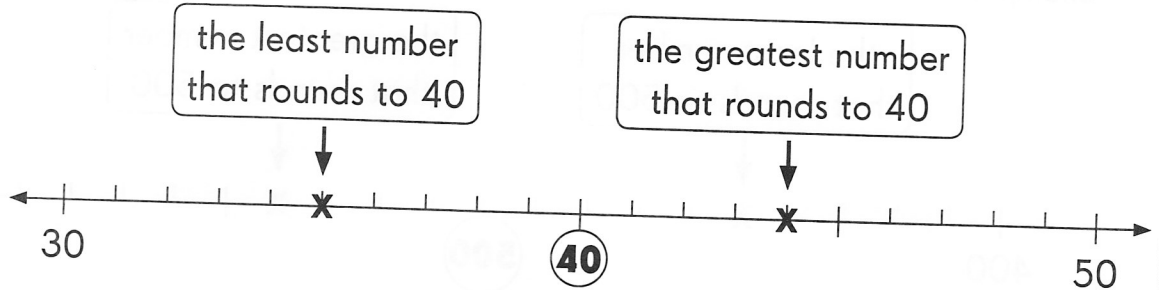
		<b>Rounded to the nearest ten</b>	<b>Rounded to the nearest hundred</b>
<b>4.</b>	79		
<b>5.</b>	217		
<b>6.</b>	791		
<b>7.</b>	1,768		
<b>8.</b>	9,809		

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Mark the least number that rounds to the circled number with an X.**  
**Mark the greatest number that rounds to the circled number with an X.**

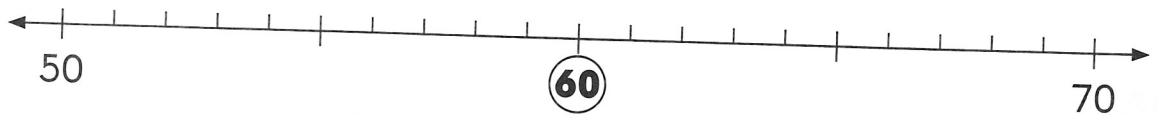
Example



List all the whole numbers that round to 40.

35 36 37 38 39 41 42 43 44

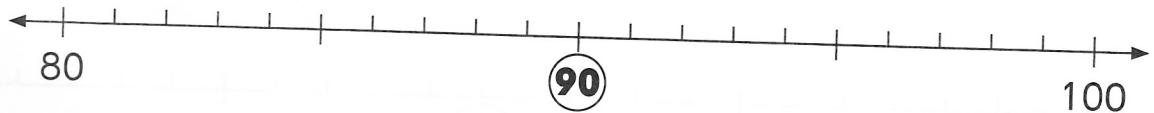
9.



List all the whole numbers that round to 60.

\_\_\_\_\_

10.



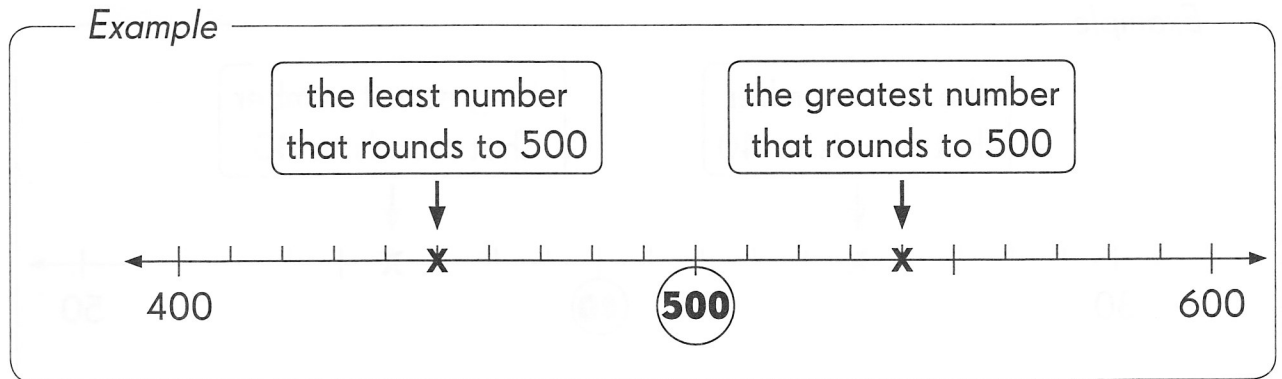
List all the whole numbers that round to 90.

\_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Mark the least number that rounds to the circled number with an X.  
Mark the greatest number that rounds to the circled number with an X.**



**11.**



**12.**



**13.**





Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Find the sum. Then round to the nearest ten to check that your answer is reasonable.**

*Example*

$$78 + 27 = \underline{105}$$

78 is about 80.

27 is about 30.

$$80 + 30 = \underline{110}$$

105 is close to 110, so the answer is reasonable.

**14.**  $64 + 73 = \underline{\hspace{2cm}}$

64 is about \_\_\_\_\_.

73 is about \_\_\_\_\_.

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

---

**15.**  $75 + 93 = \underline{\hspace{2cm}}$

75 is about \_\_\_\_\_.

93 is about \_\_\_\_\_.

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

---

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Find the sum. Then round to the nearest hundred to check that your answer is reasonable.**

*Example*

$$267 + 451 = \underline{718}$$

$$267 + 451 \text{ is about } 300 + 500 = \underline{800}.$$

*718 is close to 800, so the answer is reasonable.*

**16.**  $553 + 292 =$  \_\_\_\_\_

$553 + 292$  is about \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_.

\_\_\_\_\_

**17.**  $346 + 128 =$  \_\_\_\_\_

$346 + 128$  is about \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_.

\_\_\_\_\_

**18.**  $336 + 119 =$  \_\_\_\_\_

$336 + 119$  is about \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_.

\_\_\_\_\_

**19.**  $584 + 329 =$  \_\_\_\_\_

$584 + 329$  is about \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_.

\_\_\_\_\_

**20.**  $118 + 293 =$  \_\_\_\_\_

$118 + 293$  is about \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_.

\_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Find the difference. Then round to check that your answer is reasonable.**

*Example*

$$82 - 37 = \underline{45}$$

$$82 - 37 \text{ is about } 80 - 40 = \underline{40}.$$

*45 is close to 40, so the answer is reasonable.*

**21.**  $75 - 43 = \underline{\hspace{2cm}}$

$$75 - 43 \text{ is about } \underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}.$$

\_\_\_\_\_

**22.**  $438 - 249 = \underline{\hspace{2cm}}$

$$438 - 249 \text{ is about } \underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}.$$

\_\_\_\_\_

**23.**  $674 - 492 = \underline{\hspace{2cm}}$

$$674 - 492 \text{ is about } \underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}.$$

\_\_\_\_\_

**24.**  $918 - 374 = \underline{\hspace{2cm}}$

$$918 - 374 \text{ is about } \underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}.$$

\_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Find each sum or difference. Then round to the nearest ten to check that your answer is reasonable.**

**25.**  $428 + 239 =$  \_\_\_\_\_

**26.**  $714 + 327 =$  \_\_\_\_\_

**27.**  $459 - 318 =$  \_\_\_\_\_

**28.**  $725 - 468 =$  \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Worksheet 3 Addition with Regrouping in Ones, Tens, and Hundreds

**Complete.**

*Example*

$$9 \text{ ones} + 4 \text{ ones} = \underline{13} \text{ ones}$$

$$= \underline{1} \text{ ten } \underline{3} \text{ ones}$$

1.  $5 \text{ ones} + 8 \text{ ones} = \underline{\hspace{2cm}} \text{ ones}$

$$= \underline{\hspace{2cm}} \text{ ten } \underline{\hspace{2cm}} \text{ ones}$$

2.  $7 \text{ tens} + 6 \text{ tens} = \underline{\hspace{2cm}} \text{ tens}$

$$= \underline{\hspace{2cm}} \text{ hundred } \underline{\hspace{2cm}} \text{ tens}$$

3.  $3 \text{ tens} + 9 \text{ tens} = \underline{\hspace{2cm}} \text{ tens}$

$$= \underline{\hspace{2cm}} \text{ hundred } \underline{\hspace{2cm}} \text{ tens}$$

**Add.**

*Example*

$$\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$$

4. 
$$\begin{array}{r} 3 \\ + 9 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 5 \\ + 6 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 7 \\ + 4 \\ \hline \end{array}$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Add. Show your work.

Example

$$\begin{array}{r} 85 \\ + 73 \\ \hline 158 \end{array}$$

Step 1 5 ones and 3 ones = 8 ones

Step 2 8 tens and 7 tens = 15 tens

Step 3 15 tens = 1 hundred 5 tens

7. 
$$\begin{array}{r} 63 \\ + 94 \\ \hline \end{array}$$

Step 1 3 ones and 4 ones = \_\_\_\_\_ ones

Step 2 6 tens and 9 tens = \_\_\_\_\_ tens

Step 3 \_\_\_\_\_ tens = \_\_\_\_\_ hundred \_\_\_\_\_ tens

8. 
$$\begin{array}{r} 37 \\ + 72 \\ \hline \end{array}$$

Step 1 7 ones and 2 ones = \_\_\_\_\_ ones

Step 2 3 tens and 7 tens = \_\_\_\_\_ tens

Step 3 \_\_\_\_\_ tens = \_\_\_\_\_ hundred \_\_\_\_\_ tens

9. 
$$\begin{array}{r} 35 \\ + 92 \\ \hline \end{array}$$

Step 1 5 ones and 2 ones = \_\_\_\_\_ ones

Step 2 3 tens and 9 tens = \_\_\_\_\_ tens

Step 3 \_\_\_\_\_ tens = \_\_\_\_\_ hundred \_\_\_\_\_ tens

10. 
$$\begin{array}{r} 84 \\ + 53 \\ \hline \end{array}$$

Step 1 4 ones and 3 ones = \_\_\_\_\_ ones

Step 2 8 tens and 5 tens = \_\_\_\_\_ tens

Step 3 \_\_\_\_\_ tens = \_\_\_\_\_ hundred \_\_\_\_\_ tens

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Add. Show your work.***Example*

$$\begin{array}{r}
 \overset{1}{4}, \overset{1}{0} 7 6 \\
 + 2, 0 4 6 \\
 \hline
 6, 1 2 2
 \end{array}$$

Step 1 6 ones + 6 ones = 12 ones

Step 2 1 ten + 7 tens + 4 tens = 12 tens

Step 3 1 hundred + 0 hundred + 0 hundred  
= 1 hundred

Step 4 4 thousands + 2 thousands  
= 6 thousands

**11.**

$$\begin{array}{r}
 2, 5 6 4 \\
 + 3, 6 7 9 \\
 \hline
 \end{array}$$

Step 1 4 ones + 9 ones = \_\_\_\_\_ ones

Step 2 1 ten + 6 tens + 7 tens = \_\_\_\_\_ tens

Step 3 1 hundred + 5 hundreds + 6 hundreds  
= \_\_\_\_\_ hundreds

Step 4 1 thousand + 2 thousands + 3 thousands  
= \_\_\_\_\_ thousands

**12.**

$$\begin{array}{r}
 6, 8 7 4 \\
 + 1, 4 2 8 \\
 \hline
 \end{array}$$

Step 1 4 ones + 8 ones = \_\_\_\_\_ ones

Step 2 1 ten + 7 tens + 2 tens = \_\_\_\_\_ tens

Step 3 1 hundred + 8 hundreds + 4 hundreds  
= \_\_\_\_\_ hundreds

Step 4 1 thousand + 6 thousands + 1 thousand  
= \_\_\_\_\_ thousands

