

# Grade 4 Unit 4 Module 1

## Practice Pages for Math at Home

© 2020 The Math Learning Center | [mathlearningcenter.org](https://mathlearningcenter.org)

The Math Learning Center grants permission to learners, families, and educators to reproduce these documents in appropriate quantities for educational use. While you may link to these resources, any other redistribution requires written permission.



## Mixed Review

**1** Sketch and label a picture that represents  $2\frac{3}{4}$ .

**2** Write each fraction as a mixed number. Make a drawing, if needed.

**a**  $\frac{5}{2} =$  \_\_\_\_\_

**b**  $\frac{7}{6} =$  \_\_\_\_\_

**c**  $\frac{4}{3} =$  \_\_\_\_\_

**d**  $\frac{12}{8} =$  \_\_\_\_\_

**3** Fill in the table to show each value as money, a decimal, or a fraction.

Money	Decimal	Fraction
\$4.67	4.67	$4\frac{67}{100}$
	5.29	
		$3\frac{8}{100}$
\$8.51		
		$2\frac{7}{10}$

**4** Add these pairs of fractions. Express the answer for each as a fraction with denominator 100.

$$\frac{3}{10} + \frac{45}{100} =$$

$$\frac{7}{10} + \frac{63}{100} =$$

$$\frac{1}{10} + \frac{39}{100} =$$

$$\frac{4}{10} + \frac{23}{100} =$$

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Round 'Em Up!

1 Solve the problems below. Show all your work.

$$\begin{array}{r} 324 \\ + 538 \\ \hline \end{array}$$

$$\begin{array}{r} 648 \\ + 397 \\ \hline \end{array}$$

$$\begin{array}{r} 535 \\ 202 \\ + 169 \\ \hline \end{array}$$

2 Round the numbers below to the nearest ten. When you round to the nearest ten, look at the number in the ones place. If it is 5 or higher, round up to the next highest ten. If it is less than 5, keep the number in the tens place the same.

<b>ex</b> 63    60	<b>ex</b> 186    190	<b>a</b> 47	<b>b</b> 52
<b>c</b> 35	<b>d</b> 94	<b>e</b> 122	<b>f</b> 856
<b>g</b> 267	<b>h</b> 993	<b>i</b> 1,247	<b>j</b> 2,052

3 Round the numbers below to the nearest hundred. When you round to the nearest hundred, look at the number in the tens place. If it is 5 or higher, round up to the next highest hundred. If it is less than 5, keep the number in the hundreds place the same.

<b>ex</b> 163    200	<b>ex</b> 627    600	<b>ex</b> 82    100	<b>a</b> 203
<b>b</b> 254	<b>c</b> 822	<b>d</b> 439	<b>e</b> 67
<b>f</b> 153	<b>g</b> 764	<b>h</b> 449	<b>i</b> 657

4 **CHALLENGE** Write two different numbers that round up or down to each number shown.

<b>ex</b> 400    438    384	<b>a</b> 20	<b>b</b> 80
<b>c</b> 100	<b>d</b> 300	<b>e</b> 700

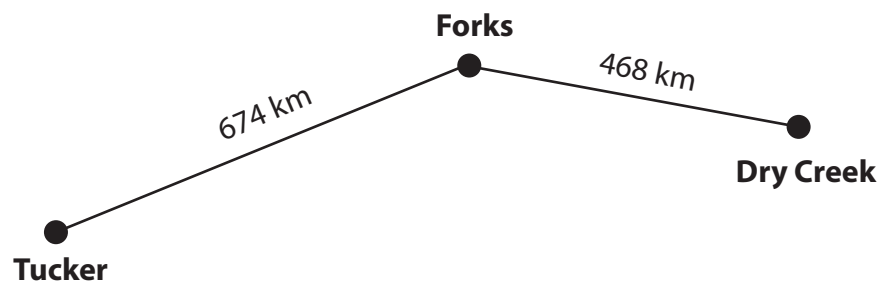
NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Rounding to the Nearest Thousand

- 1** What is 6,780 rounded to the nearest thousand? Fill in the bubble to show.
- 5,000       6,000       7,000       8,000
- 2** What is 5,438 rounded to the nearest thousand? Fill in the bubble to show.
- 5,000       6,000       7,000       8,000
- 3** It is 4,991 kilometers from Vancouver, BC, to Montreal. What is 4,991 rounded to the nearest thousand?
- 5,000       6,000       41,000       49,000
- 4** People in Canada measure long distances in kilometers instead of miles. Tera and her family drove from Tucker to Dry Creek last weekend. About how many kilometers did they drive? Fill in the bubble to show the best estimate.



- 1,050 kilometers       1,100 kilometers       1,150 kilometers
- 5** It is 1,164 kilometers from Vancouver, BC, to Edmonton. What is 1,164 rounded to the nearest thousand? Fill in the answer below.

1,164 kilometers rounded to the nearest thousand is \_\_\_\_\_.

- 6** It is 2,668 kilometers from Winnipeg to Kitimat. What is 2,668 rounded to the nearest thousand? Fill in the answer below.

2,668 kilometers rounded to the nearest thousand is \_\_\_\_\_.

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Adding Larger Numbers

1 Solve each problem below. Show your work.

$$\begin{array}{r} 392 \\ + 248 \\ \hline \end{array}$$

$$\begin{array}{r} 612 \\ + 189 \\ \hline \end{array}$$

$$\begin{array}{r} 475 \\ + 336 \\ \hline \end{array}$$

$$\begin{array}{r} 1,045 \\ + 760 \\ \hline \end{array}$$

2 Keiko has to add 3,996 and 4,204. What is an easy way for Keiko to add these two numbers? Solve the problem and show your work.

3 Max is playing Add, Round & Compare with a partner. He got a 3, an 8, and a 4 on his first turn. He decided to use those numbers to make 348 and 843.

a What are his rounded numbers? \_\_\_\_\_ and \_\_\_\_\_

b What is the sum of his rounded numbers? \_\_\_\_\_

c What is the sum of his actual numbers? Show your work.

d What is the difference between the sum of his rounded numbers and the sum of his actual numbers? Show your work.

e **CHALLENGE** Think of a way to arrange the three numbers Max got (3, 8, and 4) so there's less difference between his actual and rounded scores. Show your work.

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Addition Practice

1 Solve the addition problems below using any strategy that works well for you.

$$\begin{array}{r} 254 \\ + 168 \\ \hline \end{array}$$

$$\begin{array}{r} 381 \\ + 227 \\ \hline \end{array}$$

$$\begin{array}{r} 129 \\ + 386 \\ \hline \end{array}$$

$$\begin{array}{r} 1,234 \\ + 765 \\ \hline \end{array}$$

2 Solve the addition problems below using the standard algorithm.

$$\begin{array}{r} 388 \\ + 165 \\ \hline \end{array}$$

$$\begin{array}{r} 276 \\ + 348 \\ \hline \end{array}$$

$$\begin{array}{r} 509 \\ + 297 \\ \hline \end{array}$$

$$\begin{array}{r} 168 \\ + 539 \\ \hline \end{array}$$

3 Write this number in words: 627,391.

4 Write two hundred fifty-three thousand, eight hundred eighteen in numbers.

5 Write this number in expanded form: 56,789.

**ex**  $32,569 = 30,000 + 2,000 + 500 + 60 + 9$

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Inventions

**1** Show your thinking and the answer for problems a and b below.

**a** If the telephone was invented in 1876, when was it 98 years old?

**b** If the hot air balloon was invented in 1783, when was it 197 years old?

**2** Fill in the blanks correctly.

$57 + 99 = \underline{\quad} + 100$

$199 + 357 = \underline{\quad} + 356$

$1,999 + 481 = \underline{\quad} + 480$

**3** Solve each addition combination below using the standard algorithm. Then check to make sure your answer is reasonable by rounding each addend to the nearest hundred, finding the total, and comparing it to the answer you got for the actual numbers.

Actual Numbers	Rounded Numbers
<b>ex</b> $\begin{array}{r} 11 \\ 528 \\ + 289 \\ \hline 817 \end{array}$	$\begin{array}{r} 500 \\ + 300 \\ \hline 800 \end{array}$
<b>b</b> $\begin{array}{r} 609 \\ + 195 \\ \hline \end{array}$	
<b>d</b> $\begin{array}{r} 108 \\ + 817 \\ \hline \end{array}$	

Actual Numbers	Rounded Numbers
<b>a</b> $\begin{array}{r} 418 \\ + 375 \\ \hline \end{array}$	
<b>c</b> $\begin{array}{r} 778 \\ + 293 \\ \hline \end{array}$	
<b>e</b> $\begin{array}{r} 288 \\ + 217 \\ \hline \end{array}$	

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Music Academy

Show your thinking and the answer.

- 1** The Music Academy was founded in 1847.
  - a** In what year was the academy 95 years old?
  - b** In what year was the academy 150 years old?
  - c** In what year will the academy be 275 years old?

- 2** Fill in the blanks.

$76 + 85 = 75 + \underline{\quad}$

$298 + \underline{\quad} = 300 + 127$

$725 + 174 = \underline{\quad} + 199$

- 3** Fill in the ratio table below.

Package	Tortillas
1	16
2	
	64
8	
	144
10	

- 4** The top part of the ratio table below is missing. Fill in the blanks in the mystery ratio table below.

	130
11	143
12	156
13	
	182
15	



NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Number Riddles & Stories** page 1 of 2

**1** Draw a line to show which number matches each description. The first one is done for you.

- ex** This number has a 2 in the thousands place. 46,305
- a** This is an even number with a 6 in the hundreds place. 32,617
- b** This number is equal to  $30,000 + 4,000 + 80 + 2$ . 45,052
- c** This number is 1,000 less than 46,052. 19,628
- d** This is an odd number with a 6 in the thousands place. 34,082

**2** Write each number in words.

<b>ex</b> 17,329	seventeen thousand, three hundred twenty-nine
<b>a</b> 33,072	
<b>b</b> 86,105	
<b>c</b> 74,629	

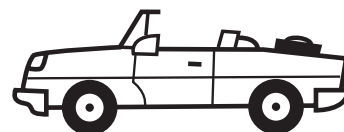
**3** **CHALLENGE** Write an even number that has a 7 in the hundreds place, has an odd number in the thousands place, and is a multiple of 10.

*(continued on next page)*

**Number Riddles & Stories** page 2 of 2

Solve the problems below. Show all your work.

- 4** Felipe's family is driving to see his grandmother. Altogether, they have to drive 856 miles. If they have gone 269 miles so far, how much farther do they have to drive?



- 5** In our classroom library, we had 326 books. We gave 38 books to the other fourth grade classroom, but our teacher got 97 more books for our classroom library. How many books do we have in our classroom library now?



- 6** **CHALLENGE** At the school fair, students were guessing how many jellybeans were in a jar. Nicky guessed there were 296 jellybeans. Caitlyn guessed there were 435 jellybeans. Samira guessed a number that was 52 more than Nicky and Caitlyn's put together. What was Samira's guess?





## Big Numbers page 1 of 2

- 1** Each weekend, Dylan and his dad go fishing. Dylan checks the odometer reading before each trip and records it in their mileage book. (An odometer is an instrument on the dashboard of a car that tells how far you've driven in all.) Put these readings in the order that they would appear in the book, from least to greatest. The first one has been done for you.

93,102      90,089      89,776      91,438      95,004      99,173      91,204

89,776

- 2** Look at the following numbers. Circle the number that is the closest to 60,034.

60,000                      60,100                      60,200                      60,300

- 3** Circle the number closest to 194,321.

190,000      191,000      192,000      193,000      194,000      195,000      196,000

- 4** Circle the number closest to 233,904.

230,000      231,000      232,000      233,000      234,000      235,000      135,000

- 5** Circle the number closest to 234,900,032.

232,000,000                      233,000,000                      234,000,000                      235,000,000

*(continued on next page)*

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Big Numbers** page 2 of 2

- 6** Round each of the numbers below to the nearest hundred. Use the number line to help if you like. (Hint: Look at the number in the tens place.)



567 rounds to \_\_\_\_\_      717 rounds to \_\_\_\_\_      889 rounds to \_\_\_\_\_  
 450 rounds to \_\_\_\_\_      649 rounds to \_\_\_\_\_      905 rounds to \_\_\_\_\_

- 7** Round each of the numbers below to the nearest 1,000. Use the number line to help if you like. (Hint: Look at the number in the hundreds place.)



4,903 rounds to \_\_\_\_\_      5,099 rounds to \_\_\_\_\_      9,499 rounds to \_\_\_\_\_  
 7,500 rounds to \_\_\_\_\_      8,750 rounds to \_\_\_\_\_      6,138 rounds to \_\_\_\_\_

- 8** Amanda is sure she got the high score on a video game, but she's not sure what the number is.

- a** Please write it down for her using base ten numbers. She scored nine hundred forty-three million, two hundred sixty-one thousand, five hundred eighty-six.
- b** Caleb is positive he beat Amanda's score. His score was 925,298,199. Who got the higher score? How do you know?



## Addition Algorithm & More page 1 of 2

**1** Solve the problems below using the standard algorithm for addition.

$$\begin{array}{r} 157 \\ + 188 \\ \hline \end{array}$$

$$\begin{array}{r} 252 \\ + 679 \\ \hline \end{array}$$

$$\begin{array}{r} 399 \\ + 411 \\ \hline \end{array}$$

$$\begin{array}{r} 676 \\ + 297 \\ \hline \end{array}$$

**2** Alonzo used the standard algorithm to solve the problem below.

$$\begin{array}{r} | \\ 176 \\ + 258 \\ \hline 324 \end{array}$$

**a** Did Alonzo use the algorithm correctly? Explain your answer.

**b** How would you solve  $176 + 258$ ? Show your work.

**3** Patricia used the standard algorithm to solve the problem below.

$$\begin{array}{r} 63 \\ 384 \\ + 559 \\ \hline 1411 \end{array}$$

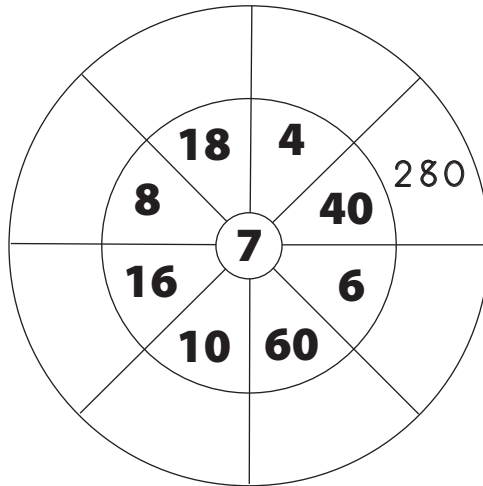
**a** Did Patricia use the algorithm correctly? Explain your answer.

**b** How would you solve  $384 + 559$ ? Show your work.

*(continued on next page)*

**Addition Algorithm & More** page 2 of 2**Review**

- 4 Fill in the blanks in the multiple wheel below.



- 5 Fill in the blanks in the equations below.

$$5 \times 20 = 5 \times 2 \times \underline{\hspace{2cm}} \quad 12 \times 30 = 12 \times \underline{\hspace{2cm}} \times 10 \quad 8 \times \underline{\hspace{2cm}} = 8 \times 6 \times 10$$

- 6 Simon wants to add 3 numbers that total 1,000. He starts with these numbers: 567 and 354.

a What is the sum of Simon's first two addends? Show your work.

b What number does Simon need to reach 1,000? Show your work.

- 7 **CHALLENGE** Isabella babysits so she can earn money for a new snowboard. She charges \$6.75 an hour. In April, Isabella babysat for 10 hours on one weekend, 12 hours another weekend, and 20 hours during another weekend. How much money did Isabella earn babysitting in April?

# Answer Keys

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Mixed Review

- 1 Sketch and label a picture that represents  $2\frac{3}{4}$ .

**Sketches will vary.**

- 2 Write each fraction as a mixed number. Make a drawing, if needed.

a  $\frac{5}{2} = 2\frac{1}{2}$

b  $\frac{7}{6} = 1\frac{1}{6}$

c  $\frac{4}{3} = 1\frac{1}{3}$

d  $\frac{12}{8} = 1\frac{4}{8}$  or  $1\frac{1}{2}$

- 3 Fill in the table to show each value as money, a decimal, or a fraction.

Money	Decimal	Fraction
\$4.67	4.67	$4\frac{67}{100}$
<b>\$5.29</b>	5.29	<b><math>5\frac{29}{100}</math></b>
<b>\$3.08</b>	<b>3.08</b>	$3\frac{8}{100}$
\$8.51	<b>8.51</b>	<b><math>8\frac{51}{100}</math></b>
<b>\$2.70</b>	<b>2.70</b>	$2\frac{7}{10}$

- 4 Add these pairs of fractions. Express the answer for each as a fraction with denominator 100.

$$\frac{3}{10} + \frac{45}{100} = 75/100 \quad \frac{7}{10} + \frac{63}{100} = \frac{133}{100} \text{ or } 1\frac{33}{100} \quad \frac{1}{10} + \frac{39}{100} = 49/100 \quad \frac{4}{10} + \frac{23}{100} = 63/100$$



NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Round 'Em Up!

- 1 Solve the problems below. Show all your work. **Work will vary.**

$$\begin{array}{r} 324 \\ + 538 \\ \hline 862 \end{array}$$

$$\begin{array}{r} 648 \\ + 397 \\ \hline 1,045 \end{array}$$

$$\begin{array}{r} 535 \\ 202 \\ + 169 \\ \hline 906 \end{array}$$

- 2 Round the numbers below to the nearest ten. When you round to the nearest ten, look at the number in the ones place. If it is 5 or higher, round up to the next highest ten. If it is less than 5, keep the number in the tens place the same.

<b>ex</b> 63 60	<b>ex</b> 186 190	<b>a</b> 47 <b>50</b>	<b>b</b> 52 <b>50</b>
<b>c</b> 35 <b>40</b>	<b>d</b> 94 <b>90</b>	<b>e</b> 122 <b>120</b>	<b>f</b> 856 <b>860</b>
<b>g</b> 267 <b>270</b>	<b>h</b> 993 <b>990</b>	<b>i</b> 1,247 <b>1,250</b>	<b>j</b> 2,052 <b>2,050</b>

- 3 Round the numbers below to the nearest hundred. When you round to the nearest hundred, look at the number in the tens place. If it is 5 or higher, round up to the next highest hundred. If it is less than 5, keep the number in the hundreds place the same.

<b>ex</b> 163 200	<b>ex</b> 627 600	<b>ex</b> 82 100	<b>a</b> 203 <b>200</b>
<b>b</b> 254 <b>300</b>	<b>c</b> 822 <b>800</b>	<b>d</b> 439 <b>400</b>	<b>e</b> 67 <b>100</b>
<b>f</b> 153 <b>200</b>	<b>g</b> 764 <b>800</b>	<b>h</b> 449 <b>400</b>	<b>i</b> 657 <b>700</b>

- 4 **CHALLENGE** Write two different numbers that round up or down to each number shown.

<b>ex</b> 400 438 384	<b>a</b> 20 <b>24 18</b>	<b>b</b> 80 <b>82 75</b>
<b>c</b> 100 <b>104 96</b>	<b>d</b> 300 <b>349 288</b>	<b>e</b> 700 <b>725 698</b>

**Answers will vary. Examples shown.**

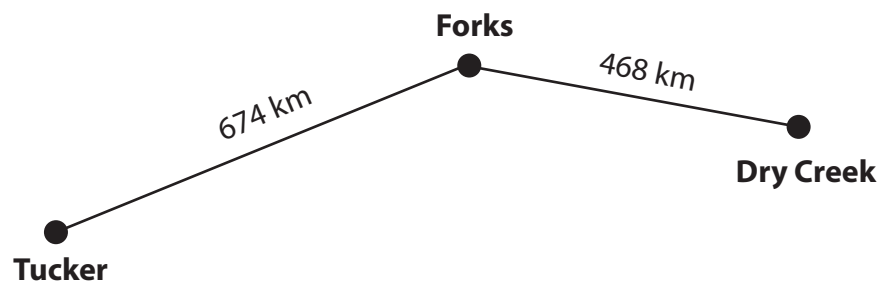
NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Rounding to the Nearest Thousand

- 1** What is 6,780 rounded to the nearest thousand? Fill in the bubble to show.
- 5,000       6,000       7,000       8,000
- 2** What is 5,438 rounded to the nearest thousand? Fill in the bubble to show.
- 5,000       6,000       7,000       8,000
- 3** It is 4,991 kilometers from Vancouver, BC, to Montreal. What is 4,991 rounded to the nearest thousand?
- 5,000       6,000       41,000       49,000
- 4** People in Canada measure long distances in kilometers instead of miles. Tera and her family drove from Tucker to Dry Creek last weekend. About how many kilometers did they drive? Fill in the bubble to show the best estimate.



- 1,050 kilometers       1,100 kilometers       1,150 kilometers
- 5** It is 1,164 kilometers from Vancouver, BC, to Edmonton. What is 1,164 rounded to the nearest thousand? Fill in the answer below.

1,164 kilometers rounded to the nearest thousand is 1,000.

- 6** It is 2,668 kilometers from Winnipeg to Kitimat. What is 2,668 rounded to the nearest thousand? Fill in the answer below.

2,668 kilometers rounded to the nearest thousand is 3,000.

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Adding Larger Numbers

- 1 Solve each problem below. Show your work.

$$\begin{array}{r} 392 \\ + 248 \\ \hline 640 \end{array}$$

$$\begin{array}{r} 612 \\ + 189 \\ \hline 801 \end{array}$$

$$\begin{array}{r} 475 \\ + 336 \\ \hline 811 \end{array}$$

$$\begin{array}{r} 1,045 \\ + 760 \\ \hline 1,805 \end{array}$$

- 2 Keiko has to add 3,996 and 4,204. What is an easy way for Keiko to add these two numbers? Solve the problem and show your work.

**8,200; work will vary. Example: Take 4 from the 4,204 and give it to the 3,996, like this**

$$\begin{aligned} 3,996 + 4,204 &= 4,000 + 4,200 \\ &= 8,200 \end{aligned}$$

- 3 Max is playing Add, Round & Compare with a partner. He got a 3, an 8, and a 4 on his first turn. He decided to use those numbers to make 348 and 843.

a What are his rounded numbers? 300 and 800

b What is the sum of his rounded numbers? 1,100

c What is the sum of his actual numbers? Show your work.

**1,191; work will vary.**

d What is the difference between the sum of his rounded numbers and the sum of his actual numbers? Show your work.

**91; work will vary.**

e **CHALLENGE** Think of a way to arrange the three numbers Max got (3, 8, and 4) so there's less difference between his actual and rounded scores. Show your work.

**Responses will vary. Example:  
He could make 384 and 834.**

**If you round those to the nearest 100, it's  $400 + 800 = 1,200$ . The actual sum is  $384 + 834 = 1,218$  so the difference is only 18.**

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Addition Practice

- 1 Solve the addition problems below using any strategy that works well for you.

$$\begin{array}{r} 254 \\ + 168 \\ \hline 422 \end{array}$$

$$\begin{array}{r} 381 \\ + 227 \\ \hline 608 \end{array}$$

$$\begin{array}{r} 129 \\ + 386 \\ \hline 515 \end{array}$$

$$\begin{array}{r} 1,234 \\ + 765 \\ \hline 1,999 \end{array}$$

- 2 Solve the addition problems below using the standard algorithm.

$$\begin{array}{r} 388 \\ + 165 \\ \hline 553 \end{array}$$

$$\begin{array}{r} 276 \\ + 348 \\ \hline 624 \end{array}$$

$$\begin{array}{r} 509 \\ + 297 \\ \hline 806 \end{array}$$

$$\begin{array}{r} 168 \\ + 539 \\ \hline 707 \end{array}$$

- 3 Write this number in words: 627,391.

**Six hundred twenty-seven thousand, three hundred ninety-one.**

- 4 Write two hundred fifty-three thousand, eight hundred eighteen in numbers.

**253, 818**

- 5 Write this number in expanded form: 56,789.

**ex**  $32,569 = 30,000 + 2,000 + 500 + 60 + 9$

**$56,789 = 50,000 + 6,000 + 700 + 80 + 9$**

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Inventions

1 Show your thinking and the answer for problems a and b below.

a If the telephone was invented in 1876, when was it 98 years old?

**1974; work will vary.**

b If the hot air balloon was invented in 1783, when was it 197 years old?

**1980; work will vary.**

2 Fill in the blanks correctly.

$57 + 99 = \underline{56} + 100$

$199 + 357 = \underline{200} + 356$

$1,999 + 481 = \underline{2,000} + 480$

3 Solve each addition combination below using the standard algorithm. Then check to make sure your answer is reasonable by rounding each addend to the nearest hundred, finding the total, and comparing it to the answer you got for the actual numbers.

Actual Numbers	Rounded Numbers	Actual Numbers	Rounded Numbers
<b>ex</b> $\begin{array}{r} 11 \\ 528 \\ + 289 \\ \hline 817 \end{array}$	$\begin{array}{r} 500 \\ + 300 \\ \hline 800 \end{array}$	<b>a</b> $\begin{array}{r} 418 \\ + 375 \\ \hline 793 \end{array}$	$\begin{array}{r} 400 \\ + 400 \\ \hline 800 \end{array}$
<b>b</b> $\begin{array}{r} 609 \\ + 195 \\ \hline 804 \end{array}$	$\begin{array}{r} 600 \\ + 200 \\ \hline 800 \end{array}$	<b>c</b> $\begin{array}{r} 778 \\ + 293 \\ \hline 1071 \end{array}$	$\begin{array}{r} 800 \\ + 300 \\ \hline 1,100 \end{array}$
<b>d</b> $\begin{array}{r} 108 \\ + 817 \\ \hline 925 \end{array}$	$\begin{array}{r} 100 \\ + 800 \\ \hline 900 \end{array}$	<b>e</b> $\begin{array}{r} 288 \\ + 217 \\ \hline 505 \end{array}$	$\begin{array}{r} 300 \\ + 200 \\ \hline 500 \end{array}$

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Music Academy

Show your thinking and the answer.

- 1** The Music Academy was founded in 1847.
- a** In what year was the academy 95 years old?  
**1942; work will vary.**
- b** In what year was the academy 150 years old?  
**1997; work will vary.**
- c** In what year will the academy be 275 years old?  
**2122; work will vary.**

- 2** Fill in the blanks.

$76 + 85 = 75 + \underline{86}$

$298 + \underline{129} = 300 + 127$

$725 + 174 = \underline{700} + 199$

- 3** Fill in the ratio table below.

Package	Tortillas
1	16
2	<b>32</b>
<b>4</b>	64
8	<b>128</b>
<b>9</b>	144
10	<b>160</b>

- 4** The top part of the ratio table below is missing. Fill in the blanks in the mystery ratio table below.

<b>10</b>	130
11	143
12	156
13	<b>169</b>
<b>14</b>	182
15	<b>195</b>

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Number Riddles & Stories** page 1 of 2

**1** Draw a line to show which number matches each description. The first one is done for you.

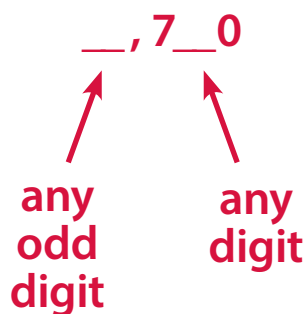
- ex** This number has a 2 in the thousands place. 46,305
- a** This is an even number with a 6 in the hundreds place. 32,617
- b** This number is equal to  $30,000 + 4,000 + 80 + 2$ . 45,052
- c** This number is 1,000 less than 46,052. 19,628
- d** This is an odd number with a 6 in the thousands place. 34,082

**2** Write each number in words.

<b>ex</b> 17,329	seventeen thousand, three hundred twenty-nine
<b>a</b> 33,072	<b>Thirty-three thousand, seventy-two</b>
<b>b</b> 86,105	<b>Eighty-six thousand, one hundred five</b>
<b>c</b> 74,629	<b>Seventy-four thousand, six hundred twenty-nine</b>

**3** **CHALLENGE** Write an even number that has a 7 in the hundreds place, has an odd number in the thousands place, and is a multiple of 10.

**Example: 3,750.**



(continued on next page)

NAME \_\_\_\_\_

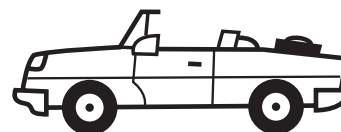
DATE \_\_\_\_\_

**Number Riddles & Stories** page 2 of 2

Solve the problems below. Show all your work.

- 4** Felipe's family is driving to see his grandmother. Altogether, they have to drive 856 miles. If they have gone 269 miles so far, how much farther do they have to drive?

**587 miles**



- 5** In our classroom library, we had 326 books. We gave 38 books to the other fourth grade classroom, but our teacher got 97 more books for our classroom library. How many books do we have in our classroom library now?

**385 books**



- 6** **CHALLENGE** At the school fair, students were guessing how many jellybeans were in a jar. Nicky guessed there were 296 jellybeans. Caitlyn guessed there were 435 jellybeans. Samira guessed a number that was 52 more than Nicky and Caitlyn's put together. What was Samira's guess?

**783 jelly beans**





NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Big Numbers page 1 of 2

- 1** Each weekend, Dylan and his dad go fishing. Dylan checks the odometer reading before each trip and records it in their mileage book. (An odometer is an instrument on the dashboard of a car that tells how far you've driven in all.) Put these readings in the order that they would appear in the book, from least to greatest. The first one has been done for you.

93,102      90,089      89,776      91,438      95,004      99,173      91,204

89,776
<b>90,089</b>
<b>91,204</b>
<b>91,438</b>
<b>93,102</b>
<b>95,004</b>
<b>99,173</b>

- 2** Look at the following numbers. Circle the number that is the closest to 60,034.

**60,000**

60,100

60,200

60,300

- 3** Circle the number closest to 194,321.

190,000

191,000

192,000

193,000

**194,000**

195,000

196,000

- 4** Circle the number closest to 233,904.

230,000

231,000

232,000

233,000

**234,000**

235,000

135,000

- 5** Circle the number closest to 234,900,032.

232,000,000

233,000,000

234,000,000

**235,000,000**

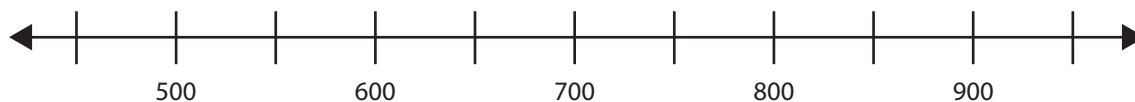
(continued on next page)

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Big Numbers** page 2 of 2

- 6** Round each of the numbers below to the nearest hundred. Use the number line to help if you like. (Hint: Look at the number in the tens place.)



567 rounds to 600      717 rounds to 700      889 rounds to 900  
 450 rounds to 500      649 rounds to 600      905 rounds to 900

- 7** Round each of the numbers below to the nearest 1,000. Use the number line to help if you like. (Hint: Look at the number in the hundreds place.)



4,903 rounds to 5,000      5,099 rounds to 5,000      9,499 rounds to 9,000  
 7,500 rounds to 8,000      8,750 rounds to 9,000      6,138 rounds to 6,000

- 8** Amanda is sure she got the high score on a video game, but she's not sure what the number is.

- a** Please write it down for her using base ten numbers. She scored nine hundred forty-three million, two hundred sixty-one thousand, five hundred eighty-six.

**943,261,586**

- b** Caleb is positive he beat Amanda's score. His score was 925,298,199. Who got the higher score? How do you know?

**Amanda's score is higher.**

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Addition Algorithm & More** page 1 of 2

**1** Solve the problems below using the standard algorithm for addition.

$$\begin{array}{r} 157 \\ + 188 \\ \hline 345 \end{array}$$

$$\begin{array}{r} 252 \\ + 679 \\ \hline 931 \end{array}$$

$$\begin{array}{r} 399 \\ + 411 \\ \hline 810 \end{array}$$

$$\begin{array}{r} 676 \\ + 297 \\ \hline 973 \end{array}$$

**2** Alonzo used the standard algorithm to solve the problem below.

$$\begin{array}{r} | \\ 176 \\ + 258 \\ \hline 324 \end{array}$$

**a** Did Alonzo use the algorithm correctly? Explain your answer.

**No, he did not get this correct answer, so he did not do it correctly.**

**b** How would you solve  $176 + 258$ ? Show your work.

**Work will vary.**

**3** Patricia used the standard algorithm to solve the problem below.

$$\begin{array}{r} 63 \\ 384 \\ + 559 \\ \hline 1411 \end{array}$$

**a** Did Patricia use the algorithm correctly? Explain your answer.

**No, she did not.**

**b** How would you solve  $384 + 559$ ? Show your work.

**Work will vary,  $384 + 559 = 943$**

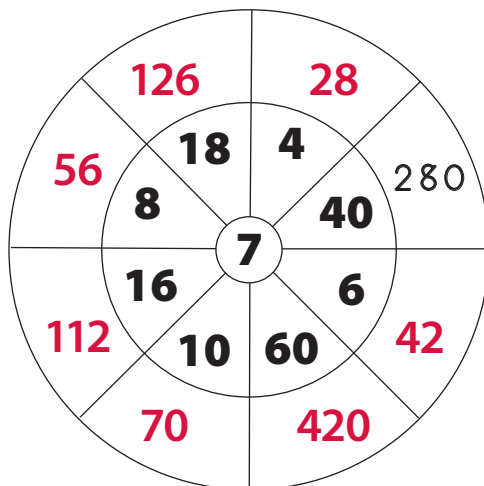
*(continued on next page)*

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Addition Algorithm & More** page 2 of 2**Review**

4 Fill in the blanks in the multiple wheel below.



5 Fill in the blanks in the equations below.

$$5 \times 20 = 5 \times 2 \times \underline{10} \quad 12 \times 30 = 12 \times \underline{3} \times 10 \quad 8 \times \underline{60} = 8 \times 6 \times 10$$

6 Simon wants to add 3 numbers that total 1,000. He starts with these numbers: 567 and 354.

a What is the sum of Simon's first two addends? Show your work.

**921**

b What number does Simon need to reach 1,000? Show your work.

**79**

7 **CHALLENGE** Isabella babysits so she can earn money for a new snowboard. She charges \$6.75 an hour. In April, Isabella babysat for 10 hours on one weekend, 12 hours another weekend, and 20 hours during another weekend. How much money did Isabella earn babysitting in April?

**\$283.50**