

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## 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  $\frac{5}{2} = \underline{\hspace{2cm}}$

b  $\frac{7}{6} = \underline{\hspace{2cm}}$

c  $\frac{4}{3} = \underline{\hspace{2cm}}$

d  $\frac{12}{8} = \underline{\hspace{2cm}}$

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

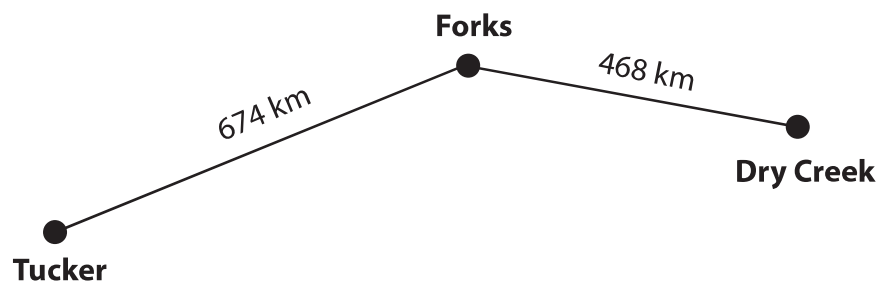
NAME \_\_\_\_\_

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> $\begin{array}{r} 528 \\ + 289 \\ \hline 817 \end{array}$	$\begin{array}{r} 500 \\ + 300 \\ \hline 800 \end{array}$
<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.

$76 + 85 = 75 + \underline{\hspace{2cm}}$

$298 + \underline{\hspace{2cm}} = 300 + 127$

$725 + 174 = \underline{\hspace{2cm}} + 199$

**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 \_\_\_\_\_



## 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  $\frac{5}{2} = \underline{2\frac{1}{2}}$

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

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

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

- 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.

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



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.**

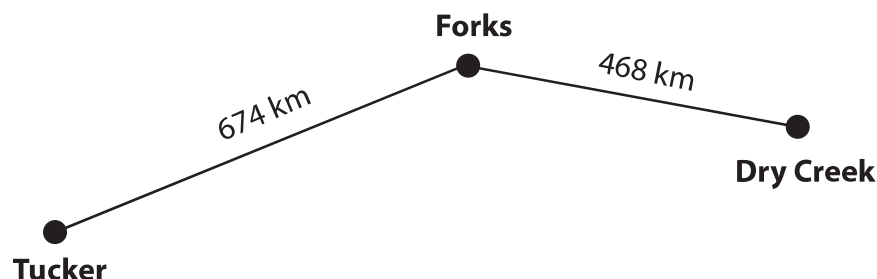
NAME \_\_\_\_\_

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

$$\mathbf{56,789 = 50,000 + 6,000 + 700 + 80 + 9}$$

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
<b>ex</b> $\begin{array}{r} 528 \\ + 289 \\ \hline 817 \end{array}$	$\begin{array}{r} 500 \\ + 300 \\ \hline 800 \end{array}$
<b>b</b> $\begin{array}{r} 609 \\ + 195 \\ \hline 804 \end{array}$	$\begin{array}{r} 600 \\ + 200 \\ \hline 800 \end{array}$
<b>d</b> $\begin{array}{r} 108 \\ + 817 \\ \hline 925 \end{array}$	$\begin{array}{r} 100 \\ + 800 \\ \hline 900 \end{array}$

Actual Numbers	Rounded Numbers
<b>a</b> $\begin{array}{r} 418 \\ + 375 \\ \hline 793 \end{array}$	$\begin{array}{r} 400 \\ + 400 \\ \hline 800 \end{array}$
<b>c</b> $\begin{array}{r} 778 \\ + 293 \\ \hline 1071 \end{array}$	$\begin{array}{r} 800 \\ + 300 \\ \hline 1,100 \end{array}$
<b>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>