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 $\frac{5}{2} = \underline{\hspace{1cm}}$
   b $\frac{7}{6} = \underline{\hspace{1cm}}$
   c $\frac{4}{3} = \underline{\hspace{1cm}}$
   d $\frac{12}{8} = \underline{\hspace{1cm}}$

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

<table>
<thead>
<tr>
<th>Money</th>
<th>Decimal</th>
<th>Fraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>$4.67$</td>
<td>4.67</td>
<td>$4\frac{67}{100}$</td>
</tr>
<tr>
<td>$5.29$</td>
<td></td>
<td>$3\frac{8}{100}$</td>
</tr>
<tr>
<td>$8.51$</td>
<td></td>
<td>$2\frac{7}{10}$</td>
</tr>
</tbody>
</table>

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

$$\frac{3}{10} + \frac{45}{100} = \underline{\hspace{3cm}}$$
$$\frac{7}{10} + \frac{63}{100} = \underline{\hspace{3cm}}$$
$$\frac{1}{10} + \frac{39}{100} = \underline{\hspace{3cm}}$$
$$\frac{4}{10} + \frac{23}{100} = \underline{\hspace{3cm}}$$
Round ’Em Up!

1 Solve the problems below. Show all your work.

\[
\begin{align*}
324 &+ 538 \\
648 &+ 397 \\
202 &+ 169
\end{align*}
\]

\[
535
\]

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.

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>ex</td>
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<td></td>
<td>60</td>
<td></td>
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<tr>
<td>i</td>
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</tr>
<tr>
<td>j</td>
<td>2,052</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<p>| | | | | |</p>
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<thead>
<tr>
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<td>ex</td>
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<td>a</td>
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</tr>
<tr>
<td>i</td>
<td>657</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<p>| | | | | |</p>
<table>
<thead>
<tr>
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<td>384</td>
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<tr>
<td>e</td>
<td>700</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**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 ______________________.
Adding Larger Numbers

1. Solve each problem below. Show your work.

   \[
   \begin{array}{cccc}
   392 & 612 & 475 & 1,045 \\
   +248 & +189 & +336 & +760 \\
   \end{array}
   \]

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.
Addition Practice

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

\[
\begin{array}{cccc}
254 & 381 & 129 & 1,234 \\
+168 & +227 & +386 & +765 \\
\end{array}
\]

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

\[
\begin{array}{cccc}
388 & 276 & 509 & 168 \\
+165 & +348 & +297 & +539 \\
\end{array}
\]

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.

\[32,569 = 30,000 + 2,000 + 500 + 60 + 9\]
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.
   \[57 + 99 = \_
   -\_
   +100\]
   \[199 + 357 = \_
   -\_
   +356\]
   \[1,999 + 481 = \_
   -\_
   +480\]

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.

<table>
<thead>
<tr>
<th>Actual Numbers</th>
<th>Rounded Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>[11] 528 + 289</td>
<td>500 + 300 800</td>
</tr>
<tr>
<td><strong>ex</strong> 817</td>
<td><strong>a</strong> 418 + 375</td>
</tr>
<tr>
<td>[b] 609 + 195</td>
<td>[c] 778 + 293</td>
</tr>
<tr>
<td>[d] 108 + 817</td>
<td>[e] 288 + 217</td>
</tr>
</tbody>
</table>
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 + ____
   298 + ____ = 300 + 127
   725 + 174 = ____ + 199

3  Fill in the ratio table below.

<table>
<thead>
<tr>
<th>Package</th>
<th>Tortillas</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>16</td>
</tr>
<tr>
<td>2</td>
<td>64</td>
</tr>
<tr>
<td>8</td>
<td>144</td>
</tr>
<tr>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>130</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>143</td>
</tr>
<tr>
<td>12</td>
<td>156</td>
</tr>
<tr>
<td>13</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>182</td>
</tr>
</tbody>
</table>
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.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ex</strong></td>
<td>17,329</td>
</tr>
<tr>
<td><strong>a</strong></td>
<td>33,072</td>
</tr>
<tr>
<td><strong>b</strong></td>
<td>86,105</td>
</tr>
<tr>
<td><strong>c</strong></td>
<td>74,629</td>
</tr>
</tbody>
</table>

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.
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

<table>
<thead>
<tr>
<th>89,776</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

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)
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.

\[
\begin{array}{cccc}
157 & 252 & 399 & 676 \\
+ 188 & + 679 & + 411 & + 297 \\
\end{array}
\]

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

\[
\begin{array}{c}
176 \\
+ 258 \\
\hline \\
324 \\
\end{array}
\]

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.

\[
\begin{array}{c}
63 \\
384 \\
+ 559 \\
\hline \\
1411 \\
\end{array}
\]

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

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

4 Fill in the blanks in the multiple wheel below.

```
  18
   4
  16
   7
   6
   10
1060
```

5 Fill in the blanks in the equations below.

\[
5 \times 20 = 5 \times 2 \times \underline{10} \quad 12 \times 30 = 12 \times \underline{10} \times 10 \quad 8 \times \underline{6} = 8 \times 6 \times 10
\]

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
### 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.

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<th>Fraction</th>
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<td>4.67</td>
<td>$4 \frac{67}{100}$</td>
</tr>
<tr>
<td>$5.29$</td>
<td>5.29</td>
<td>$5 \frac{29}{100}$</td>
</tr>
<tr>
<td>$3.08$</td>
<td>3.08</td>
<td>$3 \frac{8}{100}$</td>
</tr>
<tr>
<td>$8.51$</td>
<td>8.51</td>
<td>$8 \frac{51}{100}$</td>
</tr>
<tr>
<td>$2.70$</td>
<td>2.70</td>
<td>$2 \frac{7}{10}$</td>
</tr>
</tbody>
</table>

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

   $\frac{3}{10} + \frac{45}{100} = \frac{75}{100}$  
   $\frac{7}{10} + \frac{63}{100} = \frac{133}{100}$
   
   or  
   $\frac{1}{10} + \frac{39}{100} = \frac{49}{100}$
   $\frac{4}{10} + \frac{23}{100} = \frac{63}{100}$
   
   $1 \frac{33}{100}$
Round ‘Em Up!

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

\[
\begin{align*}
324 + 538 &= 862 \\
648 + 397 &= 1045 \\
202 + 169 &= 371
\end{align*}
\]

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.

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<tr>
<th></th>
<th></th>
<th>ex</th>
<th>63</th>
<th>186</th>
<th>a</th>
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<td>270</td>
<td>j</td>
<td>2,050</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

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<th>ex</th>
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<th>627</th>
<th>ex</th>
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<td></td>
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<td>b</td>
<td>254</td>
<td>822</td>
<td>b</td>
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<td>e</td>
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<td></td>
<td></td>
<td>c</td>
<td>153</td>
<td>764</td>
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<td>449</td>
<td>f</td>
<td>153</td>
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<td>800</td>
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<td>n</td>
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<td>q</td>
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<td>w</td>
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<td>w</td>
<td>2,052</td>
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<td>y</td>
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</tr>
</tbody>
</table>

4. Challenge: Write two different numbers that round up or down to each number shown.

<table>
<thead>
<tr>
<th>ex</th>
<th>a</th>
<th>b</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>20</td>
<td>80</td>
</tr>
<tr>
<td>438</td>
<td>24</td>
<td>82</td>
</tr>
<tr>
<td>384</td>
<td>18</td>
<td>75</td>
</tr>
<tr>
<td>100</td>
<td>24</td>
<td>82</td>
</tr>
<tr>
<td>96</td>
<td>18</td>
<td>75</td>
</tr>
<tr>
<td>300</td>
<td>24</td>
<td>82</td>
</tr>
<tr>
<td>288</td>
<td>18</td>
<td>75</td>
</tr>
<tr>
<td>700</td>
<td>24</td>
<td>82</td>
</tr>
<tr>
<td>725</td>
<td>18</td>
<td>75</td>
</tr>
<tr>
<td>698</td>
<td>24</td>
<td>82</td>
</tr>
</tbody>
</table>

Answers will vary. Examples shown.
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 ________________.
Adding Larger Numbers

1. Solve each problem below. Show your work.

\[
\begin{align*}
392 + 248 &= 640 \\
612 + 189 &= 801 \\
475 + 336 &= 811 \\
1045 + 760 &= 1805
\end{align*}
\]

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**

\[
3,996 + 4,204 = 4,000 + 4,200 = 8,200
\]

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.

   \[
   1,191; \text{ work will vary.}
   \]

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

   \[
   91; \text{ work will vary.}
   \]

   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.
Addition Practice

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

\[
\begin{array}{cccc}
254 & 381 & 129 & 1,234 \\
+ 168 & +227 & +386 & + 765 \\
\hline
422 & 608 & 515 & 1,999 \\
\end{array}
\]

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

\[
\begin{array}{cccc}
388 & 276 & 509 & 168 \\
+165 & +348 & +297 & +539 \\
\hline
553 & 624 & 806 & 707 \\
\end{array}
\]

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.

\[
\text{ex} \quad 32,569 = 30,000 + 2,000 + 500 + 60 + 9
\]

\[
56,789 = 50,000 + 6,000 + 700 + 80 + 9
\]
## 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.
   
   \[57 + 99 = \boxed{56} + 100\]
   \[199 + 357 = \boxed{200} + 356\]
   \[1,999 + 481 = \boxed{2,000} + 480\]

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.

<table>
<thead>
<tr>
<th>Actual Numbers</th>
<th>Rounded Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ex</strong></td>
<td>500</td>
</tr>
<tr>
<td>[528]</td>
<td>+ 300</td>
</tr>
<tr>
<td>[+ 289]</td>
<td>800</td>
</tr>
<tr>
<td>[817]</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Actual Numbers</th>
<th>Rounded Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>a</strong></td>
<td>400</td>
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<tr>
<td>[418]</td>
<td>+ 375</td>
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<tr>
<td>[800]</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Actual Numbers</th>
<th>Rounded Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>b</strong></td>
<td>800</td>
</tr>
<tr>
<td>[609]</td>
<td>+ 200</td>
</tr>
<tr>
<td>[804]</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Actual Numbers</th>
<th>Rounded Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>c</strong></td>
<td>1,100</td>
</tr>
<tr>
<td>[778]</td>
<td>+ 293</td>
</tr>
<tr>
<td>[1071]</td>
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</table>

<table>
<thead>
<tr>
<th>Actual Numbers</th>
<th>Rounded Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>d</strong></td>
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<tr>
<td>[108]</td>
<td>+ 800</td>
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<tr>
<td>[925]</td>
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<table>
<thead>
<tr>
<th>Actual Numbers</th>
<th>Rounded Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>e</strong></td>
<td>500</td>
</tr>
<tr>
<td>[288]</td>
<td>+ 217</td>
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<tr>
<td>[505]</td>
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</tbody>
</table>
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?
      \[ 1942; \text{work will vary.} \]

   b  In what year was the academy 150 years old?
      \[ 1997; \text{work will vary.} \]

   c  In what year will the academy be 275 years old?
      \[ 2122; \text{work will vary.} \]

2  Fill in the blanks.

\[
\begin{align*}
76 + 85 &= 75 + 86 \\
298 + \underline{129} &= 300 + 127 \\
725 + 174 &= \underline{700} + 199
\end{align*}
\]

3  Fill in the ratio table below.

<table>
<thead>
<tr>
<th>Package</th>
<th>Tortillas</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>16</td>
</tr>
<tr>
<td>2</td>
<td>32</td>
</tr>
<tr>
<td>4</td>
<td>64</td>
</tr>
<tr>
<td>8</td>
<td>128</td>
</tr>
<tr>
<td>9</td>
<td>144</td>
</tr>
<tr>
<td>10</td>
<td>160</td>
</tr>
</tbody>
</table>

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

| 10 | 130 |
| 11 | 143 |
| 12 | 156 |
| 13 | 169 |
| 14 | 182 |
| 15 | 195 |
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.

   ex 17,329 seventeen thousand, three hundred twenty-nine

   a 33,072 Thirty-three thousand, seventy-two

   b 86,105 Eighty-six thousand, one hundred five

   c 74,629 Seventy-four thousand, six hundred twenty-nine

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. __, 7__0

   any odd digit any digit

(continued on next page)
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?

587 miles

385 books

783 jelly beans
### 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.

   \[
   93,102 \quad 90,089 \quad 89,776 \quad 91,438 \quad 95,004 \quad 99,173 \quad 91,204
   \]

   89,776

   90,089

   91,204

   91,438

   93,102

   95,004

   99,173

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

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

   \[\text{\textbf{60,000}}\]

3. Circle the number closest to 194,321.

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

   194,000

4. Circle the number closest to 233,904.

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

   234,000

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

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

   235,000,000

(continued on next page)
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.
1. Solve the problems below using the standard algorithm for addition.

<table>
<thead>
<tr>
<th>157</th>
<th>252</th>
<th>399</th>
<th>676</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 188</td>
<td>+ 679</td>
<td>+ 411</td>
<td>+ 297</td>
</tr>
<tr>
<td>345</td>
<td>931</td>
<td>810</td>
<td>973</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>176</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ 258</td>
</tr>
<tr>
<td>324</td>
</tr>
</tbody>
</table>

   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.

<table>
<thead>
<tr>
<th>63</th>
</tr>
</thead>
<tbody>
<tr>
<td>384</td>
</tr>
<tr>
<td>+ 559</td>
</tr>
<tr>
<td>1411</td>
</tr>
</tbody>
</table>

   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, \( 384 + 559 = 943 \)
Review

4  Fill in the blanks in the multiple wheel below.

5  Fill in the blanks in the equations below.

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

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