EM4 Grade 5 Unit 4: Unit Practice Test

1. Write the decimal in words. 0.9

2. Write the decimal in words. 4.19

3. Write the decimal in words. 2.092

4. Write the decimal using numerals. forty-seven and twenty-three hundredths __

5. Write the decimal using numerals. seven hundred twenty-one thousandths __
6. Write the decimal using numerals. seven and four hundredths ____________

7. Make the following changes to the number 2.841: Make the 4 worth 100 times as much. Make the 2 worth \( \frac{1}{100} \) as much. Make the 8 worth \( \frac{1}{100} \) as much. Make the 1 worth 100 times as much. Write the new number. Write the new number in words.

8. Write greater than, equal to, or less than to make a true number sentence. 0.181 is ___________ 0.192

9. Write greater than, equal to, or less than to make a true number sentence. 13.4 is ___________ 0.341

10. Write greater than, equal to, or less than to make a true number sentence. 2.79 is ___________ 2.97

11. Write greater than, equal to, or less than to make a true number sentence. 0.362 is ___________ 0.47
12. Use paper and pencil to solve the problem. Shade the thousandths grid to represent the decimal. Then write the decimal in expanded form. \(0.178\) Expanded form:

13. Use paper and pencil to solve the problem. Shade the thousandths grid to represent the decimal. Then write the decimal in expanded form. \(0.801\) Expanded form:
14. Round each number to the place listed.

<table>
<thead>
<tr>
<th>Start Number</th>
<th>Nearest hundredth</th>
<th>Nearest tenth</th>
<th>Nearest whole number</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.894</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.213</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.421</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

? / 1 points

15. Explain how you rounded 0.421 to the nearest whole number.

? / 1 points

16. Write the ordered pair for each point shown on the coordinate grid below.

\[ D: (__, __) \quad E: (__, __) \quad F: (__, __) \quad G: (__, __) \]

? / 1 points
17. Use paper and pencil to solve the problem. Shade the grid in one color to show the first addend. Shade the grid in a second color to show the second addend. Write the sum to complete the number sentence.

\[ 0.64 + 0.28 = \_\_\_\_ \]

18. Use paper and pencil to solve the problem. Shade the grid to show the starting number. Cross out or shade darker to show the number being taken away. Write the difference to complete the number sentence.

\[ 0.79 - 0.56 = \_\_\_\_ \]
19. Use paper and pencil to solve the problem. Alex is donating money to a pet adoption agency. His father has agreed to donate the same amount that Alex donates. The table below shows some of the possible amounts of money they may donate.

<table>
<thead>
<tr>
<th>Alex's donation (x)</th>
<th>Alex's father's donation (y)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

a. Write the data in the table above as ordered pairs.  
b. Plot the ordered pairs as points and use a straightedge to connect them.

20. Use paper and pencil to solve the problem. Make an estimate. Then solve and show your work. Use your estimate to check that your answer makes sense.  \( 2.3 + 8.7 = \) ___ Estimate:

21. Use paper and pencil to solve the problem. Make an estimate. Then solve and show your work. Use your estimate to check that your answer makes sense.  \( 6.34 + 7.91 = \) ___ Estimate:

22. Use paper and pencil to solve the problem. Make an estimate. Then solve and show your work. Use your estimate to check that your answer makes sense.  \( 11.2 - 5.8 = \) ___ Estimate:

23. Use paper and pencil to solve. Make an estimate. The solve.  \( 13.27 - 7.56 \)
EM4 Grade 5 Unit 4: Unit Assessment (Version 1- English)
Answer Key

1. Write the decimal in words. 0.9
   nine tenths
   8 / 1 points

2. Write the decimal in words. 4.19
   four and nineteen hundredths
   8 / 1 points

3. Write the decimal in words. 2.092
   two and ninety-two thousandths
   8 / 1 points

4. Write the decimal using numerals. forty-seven and twenty-three hundredths __
   47.23 $<$
   8 / 1 points

5. Write the decimal using numerals. seven hundred twenty-one thousandths __
   0.721 or .721 $<$
   8 / 1 points
6. Write the decimal using numerals. seven and four hundredths __________

7.04

7. Make the following changes to the number 2.841: Make the 4 worth 100 times as much. Make the 2 worth \( \frac{1}{100} \) as much. Make the 8 worth \( \frac{1}{100} \) as much. Make the 1 worth 100 times as much. Write the new number. Write the new number in words.

\[ 4 \cdot 1 \underline{2} 8 \]

8. Write greater than, equal to, or less than to make a true number sentence. 0.181 is \( \leq \) 0.192

less than

9. Write greater than, equal to, or less than to make a true number sentence. 13.4 is \( \geq \) 0.341

greater than

10. Write greater than, equal to, or less than to make a true number sentence. 2.79 is \( \leq \) 2.97

less than

11. Write greater than, equal to, or less than to make a true number sentence. 0.362 is \( \leq \) 0.47

less than
12. Use paper and pencil to solve the problem. Shade the thousandths grid to represent the decimal. Then write the decimal in expanded form. 0.178

Expanded form: \[0.1 + 0.07 + 0.008\]

13. Use paper and pencil to solve the problem. Shade the thousandths grid to represent the decimal. Then write the decimal in expanded form. 0.801

Expanded form: \[0.8 + 0.001\]
Round each number to the place listed.

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</tr>
<tr>
<td>7.213</td>
<td>7.21</td>
<td>7.2</td>
<td>7</td>
</tr>
<tr>
<td>0.421</td>
<td>0.42</td>
<td>0.4</td>
<td>0</td>
</tr>
</tbody>
</table>

Explain how you rounded 0.421 to the nearest whole number.

Underline the whole number, look to the right, the 4 tells you to round down, so the whole number stays 0.

Write the ordered pair for each point shown on the coordinate grid below.

D: (9, 5)  E: (1, 3)  F: (6, 4)  G: (10, 8)
17. Use paper and pencil to solve the problem. Shade the grid in one color to show the first addend. Shade the grid in a second color to show the second addend. Write the sum to complete the number sentence.

\[ \begin{array}{c}
\[0.64 + 0.28 = \_
\end{array} \]

\[0.92\]

18. Use paper and pencil to solve the problem. Shade the grid to show the starting number. Cross out or shade darker to show the number being taken away. Write the difference to complete the number sentence.

\[ \begin{array}{c}
\[0.79 - 0.56 = \_
\end{array} \]

\[0.23\]
Use paper and pencil to solve the problem. Alex is donating money to a pet adoption agency. His father has agreed to donate the same amount that Alex donates. The table below shows some of the possible amounts of money they may donate.

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a. Write the data in the table above as ordered pairs.  
b. Plot the ordered pairs as points and use a straightedge to connect them.

20. Use paper and pencil to solve the problem. Make an estimate. Then solve and show your work. Use your estimate to check that your answer makes sense.  \[2.3 + 8.7 = \]

\[
\begin{array}{c}
\text{2.3} \\
\text{+ 8.7} \\
\hline
\text{11.0}
\end{array}
\]

Estimate: \[2+9=11\]

21. Use paper and pencil to solve the problem. Make an estimate. Then solve and show your work. Use your estimate to check that your answer makes sense.  \[6.34 + 7.91 = \]

\[
\begin{array}{c}
\text{6.34} \\
\text{+ 7.91} \\
\hline
\text{14.25}
\end{array}
\]

Estimate: \[6+8=14\]

22. Use paper and pencil to solve the problem. Make an estimate. Then solve and show your work. Use your estimate to check that your answer makes sense. \[11.2 - 5.8 = \]

\[
\begin{array}{c}
\text{11.2} \\
\text{- 5.8} \\
\hline
\text{5.4}
\end{array}
\]

Estimate: \[-11-6=5\]

23. Use paper and pencil to solve. Make an estimate. The solve.  \[13.27 - 7.56 \]

\[
\begin{array}{c}
\text{13.27} \\
\text{- 7.56} \\
\hline
\text{5.71}
\end{array}
\]

Estimate: \[13-8=5\]