<p>| | | | | | | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1. Rewrite this mixed number as a decimal:</td>
<td>$1\frac{8}{7}$</td>
<td>2. Rewrite this fraction as a decimal:</td>
<td>$\frac{8}{25}$</td>
<td></td>
<td></td>
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<tr>
<td>3. Rewrite this fraction as a percent:</td>
<td>$\frac{3}{2}$</td>
<td>4. Rewrite this fraction as a percent, then round the nearest tenth:</td>
<td>$\frac{22}{7}$</td>
<td></td>
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<tr>
<td>5. Rewrite this percent as a decimal:</td>
<td>6.3%</td>
<td>6. Rewrite this percent as a decimal:</td>
<td>136%</td>
<td></td>
<td></td>
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<tr>
<td>7. Rewrite this decimal as a percent:</td>
<td>0.028</td>
<td>8. Rewrite this decimal as a percent:</td>
<td>1.88</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Rewrite this decimal as a mixed number (in simplest form):</td>
<td>2.54</td>
<td>10. Rewrite this decimal as a fraction (in simplest form):</td>
<td>0.006</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Rewrite this percent as a fraction (in simplest form):</td>
<td>0.5%</td>
<td>12. Rewrite this percent as a fraction (in simplest form):</td>
<td>47%</td>
<td></td>
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<tr>
<td>13. Write the percent and fraction (in simplest form) for the model:</td>
<td></td>
<td>14. Write the percent and fraction (in simplest form) for the model:</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
15. Use <, >, or = to make a true statement.
\[
\frac{5}{7} \bigg\text{O} \frac{7}{10}
\]

16. Order the fractions from least to greatest.
\[
\frac{11}{12}, \frac{1}{2}, \frac{2}{3}, \frac{1}{8}
\]
Write your answer below:

17. Order the following from greatest to least:
0.1, \(\frac{1}{9}\), 9%, \(1.2 \times 10^{-1}\), \(\sqrt{250}\), \((-2)^4\), \(|-17|\), \(1.62 \times 10^1\)

18. Order the following from least to greatest:
\[
\sqrt{250}, (-2)^4, |-17|, 1.62 \times 10^1
\]
Write your answer below:

19. Order the following from greatest to least:
\(-\sqrt{175}\), \((-2)^5\), \(-|14|\), \(-12 \frac{3}{4}\)
Write your answer below:

20. Order the following from least to greatest:
0.0001, \(10^{-2}\), 1.5%, \(\frac{1}{200}\)
Write your answer below:

Show each fraction converted to a common denominator.
Convert each to a decimal number, then write it in the box underneath.
Part II – Order of Operations w/ Rational Numbers

21. Add: \( 143.07 + 9.2088 \)  
\[ \begin{array}{c}
143.07 \\
\downarrow \\
92088 \\
\hline
1522788
\end{array} \]

22. Add: \( 44.801 + 5.00872 \)

23. Subtract: \( 15.1 - 7.571 \)  
\[ \begin{array}{c}
151 \\
\downarrow \\
-7571 \\
\hline
7529
\end{array} \]

24. Subtract: \( 4785.06 - 19.5839 \)

25. Multiply: \( (17.83)(2.2) \)

26. Multiply: \( (6.247)(0.12) \)

27. Divide: \( 1218 \div 0.3 \)  
\[ 1218 \div 0.3 = 4060 \]

28. Divide: \( 315.35 \div 0.5 \)

- line up the decimals
- fill the empty spaces with zeros
- multiply like normal
- count the total number of digits to the right of the decimals
- go to the answer, then slide the (invisible) decimal that many spaces to the left.
- turn the 2nd number into a whole number (slide the decimal to the right)
- slide the decimal of the 1st number the same number of spaces
- put 1st number in the house, then the 2nd one outside
- put a decimal point on the top (right above the other one)
29. Add
- add the whole numbers
- find the common denominator
  - ...then rewrite the fractions
- convert improper fraction to a mixed number
- add the whole # to the mixed number

- add: \( \frac{7}{6} \) + \( \frac{5}{7} \)

- add: \( \frac{1}{18} \) + \( \frac{9}{14} \)

30. Add: \( \frac{6}{7} \) + \( \frac{9}{14} \)

31. Subtract
- find the common denominator
  - ...then rewrite the fractions
- for the top fraction
  - borrow 1 from the whole number...
  - ...then, add the numerator + denominator
  - that sum is your new numerator
  - ...
  - subtract the whole numbers...
  - ...then the fractions

- subtract: \( 12 \frac{3}{8} \) – \( 3 \frac{11}{12} \)

32. Subtract: \( 12 \frac{3}{8} \) – \( 3 \frac{11}{12} \)

33. Multiply
- turn into improper fractions
- reduce the diagonals
- multiply straight across

- multiply: \( 4 \frac{1}{4} \cdot 1 \frac{5}{7} \)

34. Multiply: \( 5 \frac{4}{5} \cdot 1 \frac{2}{3} \)

35. Divide
- turn into improper fractions
- Keep -> Change -> Flip
- multiply straight across

- divide: \( 1 \frac{1}{4} \div 4 \frac{6}{7} \)
**37.** \[0.6 + 3.6 \div 2 - 5\]

**38.** \[1 + (-2) - 3 \cdot 4 \div (-6)\]

**39.** \[0.3 - (3.12 - 3)(4)\]

**40.** \[
\frac{(1.9)^2 - 0.11}{-1 + 1.7}
\]
*41. \[ 3 \frac{1}{3} + \frac{1}{2} \cdot 3 \frac{1}{4} \]

*42. \[ 6 \frac{3}{10} - \frac{1}{5} + 3 \frac{7}{20} \]

*43. \[ 20 + \frac{2}{5} \cdot \frac{1}{4} (3) \]

**44. \[ \frac{1}{3} (7) - \left( 6 \div \frac{2}{3} \right) \]