1. **Integer Operations**

Solve each.

<table>
<thead>
<tr>
<th>Expression</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>(-1)(22)(3)</td>
<td>(-15)(-3)</td>
</tr>
<tr>
<td>(-72)(0.5)</td>
<td>-60 - 9</td>
</tr>
</tbody>
</table>

2. **Order sets of numbers**

List the numbers below in order from least to greatest.

-0.5, ¼, -½, 8, 8 \(\frac{7}{8}\)

3. **Scientific Notation**

0.006077 = ________________

4. **Convert fraction/decimals/%**

4,000,000,000 = ________________

Write the mixed number as a decimal and percent.

<table>
<thead>
<tr>
<th>Mixed Number</th>
<th>Decimal</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1\frac{5}{8})</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5. **Fractions Operation**

Solve the equation. (simplify to lowest term)

\[ 7 \frac{3}{5} + (-4 \frac{1}{10}) \]

6. **Equation Models**

Name and solve the equation.
7. Order of Operations

Simplify the expression.

\[-4 \left(13^2 + 3^2\right)\]

8. Equation

Solve the equation.

\[
\frac{b}{4} - (-8) = 16
\]

9. Algebraic Relationship

What is the rate of change?

<table>
<thead>
<tr>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>-7</td>
<td>-98</td>
</tr>
<tr>
<td>-3</td>
<td>-42</td>
</tr>
<tr>
<td>-2</td>
<td>-28</td>
</tr>
<tr>
<td>3</td>
<td>42</td>
</tr>
<tr>
<td>5</td>
<td>70</td>
</tr>
</tbody>
</table>

10. Inequality

Solve and graph the inequality.

\[
\frac{d}{5} + 6 \geq -17
\]