### Dividing Unit Fractions (Visual)

Use the box to show a visual example of how to divide a fraction and a whole number.

$$\frac{1}{3} \div 4 = ?$$

<table>
<thead>
<tr>
<th></th>
<th>Split the whole into 3 pieces and fill in 1 section.</th>
<th>Next split $\frac{1}{3}$ into 4 groups.</th>
<th>To figure out the size of each piece in comparison to the whole, split the whole into 4 groups.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><img src="image1" alt="Diagram" /></td>
<td><img src="image2" alt="Diagram" /></td>
<td><img src="image3" alt="Diagram" /></td>
</tr>
</tbody>
</table>

To solve, start with a whole. Now you can see the size of $\frac{1}{3}$. This shows the size of each piece. Each piece is $\frac{1}{12}$ of the whole. Or: $\frac{1}{3} \div 4 = \frac{1}{12}$

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1) $\frac{1}{3} \div 3 =$</td>
<td>2) $\frac{1}{8} \div 8 =$</td>
<td>3) $\frac{1}{7} \div 2 =$</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4) $\frac{1}{3} \div 4 =$</td>
<td>5) $\frac{1}{7} \div 4 =$</td>
<td>6) $\frac{1}{5} \div 4 =$</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7) $\frac{1}{5} \div 6 =$</td>
<td>8) $\frac{1}{4} \div 9 =$</td>
<td>9) $\frac{1}{5} \div 6 =$</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10) $\frac{1}{2} \div 9 =$</td>
<td>11) $\frac{1}{6} \div 6 =$</td>
<td>12) $\frac{1}{9} \div 6 =$</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Answers**

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 
10. 
11. 
12. 

---

**Math**

www.CommonCoreSheets.com 1
## Dividing Unit Fractions (Visual)

Use the box to show a visual example of how to divide a fraction and a whole number.

\[ \frac{1}{3} \div 4 = ? \]

To solve, start with a whole. Split the whole into 3 pieces and fill in 1 section. Next split \(\frac{1}{3}\) into 4 groups. To figure out the size of each piece in comparison to the whole, split the whole into 4 groups. Each piece is \(\frac{1}{12}\) of the whole. Or:

\[ \frac{1}{3} \div 4 = \frac{1}{12} \]

### Answers

1. \(\frac{1}{9}\)
2. \(\frac{1}{64}\)
3. \(\frac{1}{14}\)
4. \(\frac{1}{12}\)
5. \(\frac{1}{28}\)
6. \(\frac{1}{20}\)
7. \(\frac{1}{30}\)
8. \(\frac{1}{36}\)
9. \(\frac{1}{30}\)
10. \(\frac{1}{18}\)
11. \(\frac{1}{36}\)
12. \(\frac{1}{54}\)

1. \(\frac{1}{3} \div 3 = \)
2. \(\frac{1}{8} \div 8 = \)
3. \(\frac{1}{7} \div 2 = \)
4. \(\frac{1}{3} \div 4 = \)
5. \(\frac{1}{7} \div 4 = \)
6. \(\frac{1}{5} \div 4 = \)
7. \(\frac{1}{5} \div 6 = \)
8. \(\frac{1}{4} \div 9 = \)
9. \(\frac{1}{5} \div 6 = \)
10. \(\frac{1}{2} \div 9 = \)
11. \(\frac{1}{6} \div 6 = \)
12. \(\frac{1}{9} \div 6 = \)