Multiply With Mixed Numbers

Multiply. Write each product in simplest form.

1. \(1 \frac{2}{3} \times \frac{1}{5}\)
2. \(\frac{4}{7} \times 3 \frac{1}{2}\)
3. \(4 \times 2 \frac{3}{8}\)
4. \(1 \frac{5}{6} \times 3\)

5. \(1 \frac{2}{3} \times 2 \frac{3}{5}\)
6. \(2 \times 1 \frac{5}{6}\)
7. \(4 \frac{2}{7} \times \frac{1}{8}\)
8. \(1 \frac{1}{3} \times 2 \frac{1}{4}\)

9. \(3 \frac{1}{2} \times \frac{3}{5}\)
10. \(\frac{2}{5} \times 1 \frac{3}{4}\)
11. \(1 \frac{1}{3} \times 2 \frac{5}{8}\)
12. \(\frac{4}{5} \times 3 \frac{3}{4}\)

13. \(5 \times 1 \frac{3}{4}\)
14. \(1 \frac{1}{6} \times 1 \frac{2}{7}\)
15. \(2 \frac{2}{3} \times 2 \frac{3}{4}\)
16. \(2 \frac{1}{4} \times 6\)

17. \(2 \frac{2}{5} \times \frac{1}{3}\)
18. \(4 \frac{2}{3} \times 1 \frac{3}{7}\)
19. \(4 \frac{3}{8} \times 2 \frac{1}{5}\)
20. \(3 \frac{1}{5} \times 2 \frac{1}{4}\)

Complete each multiplication equation.

21. \(\square \times 12 = 9\)
22. \(\square \times \frac{2}{5} = 4\)
23. \(\square \times 28 = 8\)
24. \(\frac{5}{6} \times \square = 15\)

Algebra • Functions Complete each function table.

Write each answer in simplest form.

25. Rule: \(y = \frac{2}{3}x\)

<table>
<thead>
<tr>
<th>(x)</th>
<th>3 (\frac{1}{4})</th>
<th>3 (\frac{2}{3})</th>
<th>2 (\frac{3}{8})</th>
<th>2 (\frac{5}{6})</th>
</tr>
</thead>
<tbody>
<tr>
<td>(y)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

26. Rule: \(y = 3 \frac{3}{4}x\)

<table>
<thead>
<tr>
<th>(x)</th>
<th>2 (\frac{4}{5})</th>
<th>1 (\frac{1}{3})</th>
<th>3 (\frac{1}{9})</th>
<th>4 (\frac{4}{5})</th>
</tr>
</thead>
<tbody>
<tr>
<td>(y)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Test Prep

27. Tom bought \(2 \frac{2}{3}\) pounds of apples. He gave \(\frac{3}{4}\) of the \(2 \frac{2}{3}\) pounds to his friends. How many pounds did he give to his friend?

28. Lonnie worked \(2 \frac{1}{4}\) hours. Louise worked \(\frac{2}{3}\) as long as Lonnie did. How many hours did Louise work?

A 1 \(\frac{5}{12}\) hours  
B 2 \(\frac{1}{3}\) hours  
C 1 \(\frac{2}{3}\) hours  
D 1 \(\frac{1}{2}\) hours

Use with text pages 316–319.