Solve each problem.

Ex) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

1) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

2) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

3) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

4) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

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1. \[ y \times 16 = Z \]
2. \[ y \times 10 = Z \]
3. \[ y \times 4 = Z \]
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11. \[ y \times 4 = Z \]
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13. \[ y \times 2 = Z \]
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Ex. \( y \times 3 = Z \)

\[
\begin{array}{ll}
1. & \underline{y \times 25 = Z} \\
2. & \underline{y \times 4 = Z} \\
3. & \underline{y \times 1,000 = Z} \\
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2. 
3. 
4. 
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\[
y \times 1,000 = Z
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### Writing Equations from Ratios

#### Solve each problem.

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#### Answers

**Ex.** \(y \times 1,000 = Z\)

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2. \(y \times 100 = Z\)
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\[
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\]

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1. \(\_\_\_\_\_\_\_\_\_\_\)

2. \(\_\_\_\_\_\_\_\_\_\_\)

3. \(\_\_\_\_\_\_\_\_\_\_\)

4. \(\_\_\_\_\_\_\_\_\_\_\)

5. \(\_\_\_\_\_\_\_\_\_\_\)

6. \(\_\_\_\_\_\_\_\_\_\_\)

7. \(\_\_\_\_\_\_\_\_\_\_\)

8. \(\_\_\_\_\_\_\_\_\_\_\)

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Answers

Ex. \( y \times 16 = Z \)

1. __________

2. __________

3. __________

4. __________

5. __________

6. __________

7. __________

8. __________

9. __________

10. __________

11. __________

12. __________

13. __________

14. __________

15. __________
<table>
<thead>
<tr>
<th>Problem</th>
<th>Equation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1)</td>
<td>( y \times 4 = Z )</td>
</tr>
<tr>
<td>2)</td>
<td>( y \times 1,000 = Z )</td>
</tr>
<tr>
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</tr>
<tr>
<td>4)</td>
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</tr>
<tr>
<td>5)</td>
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</tr>
<tr>
<td>6)</td>
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</tr>
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## Writing Equations from Ratios

### Solve each problem.

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### Answers

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1. \( y \times 1,000 = Z \)
2. \( y \times 4 = Z \)
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Answers

Ex. \( y \times 5 = Z \)

1. 

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15. 

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### Writing Equations from Ratios

#### Solve each problem.

**Ex.** Every quarter is 5 nickels. Write an equation to express the total number of nickels \((Z)\) in \((y)\) quarters.

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<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>1</td>
<td>Every dollar is 10 dimes. Write an equation to express the total number of dimes ((Z)) in ((y)) dollars.</td>
</tr>
<tr>
<td>2</td>
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<td>Every foot is 12 inches. Write an equation to express the total number of inches ((Z)) in ((y)) feet.</td>
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</tr>
<tr>
<td>5</td>
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**Answers**

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