

Mean Twisters
(Mean Proportions)

Name: _____
Date: _____

Directions: You and your partner will work together to solve these right triangle-related problems. You solve the problems on the left and your partner will solve the problems on the right. When you are done, your answers will match - but the answers are NOT in the same order in both columns.

<p>1. Find x.</p> <p>$16 = x^2$ $4 = x$</p>	<p>1. Find x.</p> <p>$8 = \frac{x}{2}$</p>
<p>2. Find x.</p> <p>$9 = \frac{x}{4}$ $x = 36$ $x = 6$</p>	<p>2. Find x.</p> <p>$x = 10$</p>
<p>3. Find x.</p> <p>$25 = \frac{x}{24}$ $100 = x$ $x = 10$</p>	<p>3. Find x.</p> <p>$16 = \frac{x}{4}$ $x = 64$ $x = 8$</p>
<p>4. Find x.</p> <p>$64 = x^2$ $x = 8$</p>	<p>4. Find x.</p> <p>$x = 8$</p>

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<p>5. Find x.</p> <p>$4x = \frac{6}{x}$ $x = 3$</p>	<p>5. Find x.</p> <p>$x = 9$</p>
<p>6. Find x.</p> <p>$50 = 40$ $40 = 50 - x$ $50(50 - x) = 1600$ $50 - x = 32$ $x = 18$</p>	<p>6. Find x.</p> <p>$x = 18$</p>
<p>7. Find x.</p> <p>$x(x - 3) = 10$ $x^2 - 3x - 10 = 0$ $(x - 5)(x + 2) = 0$ $x = 5$</p>	<p>7. Find x.</p> <p>$x = 5$</p>
<p>8. Find x.</p> <p>$\frac{x}{8} = \frac{8}{4}$ $64 = 4x$ $x = 16$</p>	<p>8. Find x.</p> <p>$x = 16$</p>

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