



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34063

Name: _____

Standard: **CCSS.Math.Content.6.RP.A.2**

Description: Understand the concept of a unit rate a/b associated with a ratio $a:b$ with $b \neq 0$, and use rate language in the context of a ratio relationship. For example, "This recipe has a ratio of 3 cups of flour to 4 cups of sugar, so there is $3/4$ cup of flour for each cup of sugar." "We paid \$75 for 15 hamburgers, which is a rate of \$5 per hamburger."

Solve The Proportion for X (Hard):

<p>1.</p> $\frac{15}{x + 16} = \frac{11}{14}$	<p>6.</p> $\frac{18}{2} = \frac{3}{x + 10}$
<p>2.</p> $\frac{3}{2} = \frac{1}{x - 20}$	<p>7.</p> $\frac{8}{13} = \frac{15}{x + 1}$
<p>3.</p> $\frac{x - 6}{9} = \frac{18}{12}$	<p>8.</p> $\frac{11}{5} = \frac{x - 3}{4}$
<p>4.</p> $\frac{19}{18} = \frac{20}{x - 12}$	<p>9.</p> $\frac{4}{10} = \frac{17}{x - 2}$
<p>5.</p> $\frac{20}{x - 1} = \frac{9}{19}$	<p>10.</p> $\frac{17}{x + 19} = \frac{1}{4}$

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