



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34048

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

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