



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34038

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

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