



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34029

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

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