



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34079

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

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