



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34030

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

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