



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34095

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

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