



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34005

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

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