Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34010

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≠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):

1.

$$\frac{x + 3}{2} = \frac{17}{3}$$

6.

$$\frac{7}{10} = \frac{x - 1}{2}$$

2.

$$\frac{5}{x + 8} = \frac{1}{20}$$

7.

$$\frac{16}{x + 18} = \frac{1}{8}$$

3.

$$\frac{20}{13} = \frac{x + 15}{9}$$

8.

$$\frac{x + 11}{5} = \frac{14}{1}$$

4.

$$\frac{1}{9} = \frac{x + 13}{18}$$

9.

$$\frac{7}{x + 13} = \frac{11}{8}$$

5.

$$\frac{11}{x + 11} = \frac{3}{7}$$

10.

$$\frac{4}{x + 5} = \frac{20}{9}$$