



Standard: MAFS.7.RP.1.1

Student Copy

Name: \_\_\_\_\_

Period: \_\_\_\_\_

**Question 1**

**Work Space**

Moe swam  $\frac{2}{3}$  of a mile in 12 minutes. If he swims at the same constant rate of speed, how long will it take him to swim one mile?

**Question 2**

**Work Space**

**Part A:**

The FixIt Plumber company has been called to fix a faucet that is leaking. The owner reports that the faucet leaks  $\frac{3}{5}$  cup of water every  $\frac{1}{4}$  hour. How much water, in cups, will the faucet leak every hour?

**Part B:**

If the FixIt Plumber company gets to the house  $2\frac{1}{2}$  hours after the leak has started, how much water, in cups, has the faucet leaked?

**Question 3**

**Work Space**

Kamelia is running a race at a constant speed. Her sister, Emilee, is tracking her time and mileage as she runs. Complete the table below to show how far she ran at specific time intervals.

miles	$3\frac{1}{4}$		$9\frac{3}{4}$	
hours	$\frac{1}{2}$	1		2



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Question 4	Work Space
<p>Maxwell's hair grew <math>\frac{3}{5}</math> of a centimeter in a <math>\frac{1}{2}</math> month. She is trying to figure out how much her hair grows in 1 month. Which equation below correctly demonstrates how Maxwell can depict how much her hair grows in a month?</p> <p>A. <math>\frac{3}{5} \div \frac{1}{2} = \frac{3 \cdot 1}{5 \cdot 2} = \frac{3}{10}</math></p> <p>B. <math>\frac{3}{5} \div \frac{1}{2} = \frac{3 \cdot 2}{5 \cdot 1} = \frac{6}{5}</math></p> <p>C. <math>\frac{1}{2} \div \frac{3}{5} = \frac{1 \cdot 3}{2 \cdot 5} = \frac{3}{10}</math></p> <p>D. <math>\frac{1}{2} \div \frac{3}{5} = \frac{1 \cdot 5}{2 \cdot 3} = \frac{5}{6}</math></p>	