

Corrective Assignment

Reduce to simplest form if possible.

1. **Divide**

$$\frac{\frac{2}{3}}{\frac{4}{5}}$$

2. **Divide**

$$\frac{\frac{4}{3}}{\frac{8}{8}}$$

3. **Find the rate. Label!**

It rained $1\frac{3}{4}$ inches in 2 hours.

What is the average amount of rain per hour?

4. **Find the rate. Label!**

Dustin made $2\frac{1}{5}$ pies in $\frac{3}{5}$ of a day.

What is the average amount of pies per day?

5. **The following are proportional. Find k.**

Time (min)	Distance (meters)
$\frac{1}{2}$	$\frac{7}{8}$
$\frac{3}{4}$	$1\frac{5}{16}$

6. **The following are proportional. Find k.**

Water (liters)	Height (inches)
$3\frac{3}{4}$	$\frac{3}{2}$
6	$\frac{12}{5}$

Find k (constant of proportionality). Fill in the table and complete the sentence.

7. Anthony's car uses $1\frac{1}{2}$ gallons of gas to go in 15 miles. Find the average miles per gallon of gas.

Gas (gallons)	Distance (miles)
$1\frac{1}{2}$	
$\frac{4}{5}$	

Anthony can drive _____ miles on $\frac{4}{5}$ gallons of gas.

8. A recipe use $3\frac{1}{2}$ cups of sugar for every $\frac{1}{4}$ tablespoon of vanilla. Find the tablespoons of vanilla to cups of sugar.

Sugar (cups)	Vanilla (tbs)
$3\frac{1}{2}$	
14	

If you use 14 cups of sugar you need _____ tablespoons of vanilla.

ANSWERS TO 3.4 CORRECTIVE ASSIGNMENT

1. $\frac{10}{12} = \frac{5}{6}$	2. $\frac{32}{3}$	3. $\frac{5}{42}$	4. $\frac{7 \text{ inches of rain}}{8 \text{ hours}}$	5. $k = \frac{7}{4}$	6. $k = \frac{2}{5}$												
7. $k = 10$	<table border="1"> <thead> <tr> <th>Gas (gallons)</th> <th>Distance (miles)</th> </tr> </thead> <tbody> <tr> <td>$1\frac{1}{2}$</td> <td>15</td> </tr> <tr> <td>$\frac{4}{5}$</td> <td>8</td> </tr> </tbody> </table>		Gas (gallons)	Distance (miles)	$1\frac{1}{2}$	15	$\frac{4}{5}$	8	8. $k = \frac{1}{14}$	<table border="1"> <thead> <tr> <th>Sugar (cups)</th> <th>Vanilla (tbs)</th> </tr> </thead> <tbody> <tr> <td>$3\frac{1}{2}$</td> <td>$\frac{1}{4}$</td> </tr> <tr> <td>14</td> <td>1</td> </tr> </tbody> </table>		Sugar (cups)	Vanilla (tbs)	$3\frac{1}{2}$	$\frac{1}{4}$	14	1
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14	1																
Anthony can drive 8 miles on $\frac{4}{5}$ gallons of gas.			14 cups of sugar needs 1 tablespoon of vanilla														