

Chapter 5 Quiz Review

Name: _____

Date: _____

Class: _____

1. Erin needed $\frac{3}{4}$ cups flour for her cupcake recipe. She decided to only make $\frac{3}{8}$ of the recipe. How much flour did she need? Use an equation to solve the problem.

2. John planned to run $\frac{9}{10}$ of a mile. It started to rain when he had only finished $\frac{3}{5}$ of the distance so he stopped running. What distance did he run before stopping? Use an equation to solve the problem.

3. Simplify the following products:

a. $3\frac{1}{3} \cdot 6\frac{3}{4} =$

b. $2\frac{3}{10} \cdot 4\frac{1}{2} =$

c. 12% of 40% is

d. $2\frac{2}{3} \cdot 1\frac{1}{8} \cdot 1\frac{5}{6} =$

e. $\frac{2}{5} \cdot 4\frac{1}{6} \cdot 3 =$

f. $\frac{3}{7}$ of 80% is

g. 15% of $\frac{2}{9} =$

h. $\frac{1}{6}$ of .3 =

Lesson 5 Products in Simplest Form

Study how $\frac{5}{6} \times \frac{9}{10} \times \frac{1}{7}$ is found in simplest form.

$$\frac{5 \times 9 \times 1}{6 \times 10 \times 7}$$

Both numerator and denominator have been divided

by _____.

$$\frac{\overset{1}{5} \times \overset{3}{9} \times 1}{\underset{2}{6} \times \underset{2}{10} \times 7}$$

Both numerator and denominator have been divided

by _____.

$$\frac{\overset{1}{5} \times \overset{3}{9} \times 1}{\underset{2}{6} \times \underset{2}{10} \times 7} = \frac{\overset{1}{2} \times \overset{3}{3} \times 1}{2 \times 2 \times 7}$$

$$\frac{3}{28}$$

$$\frac{5}{6} \times \frac{9}{10} \times \frac{1}{7} = \underline{\hspace{2cm}}$$

Write each answer in simplest form.

a
1. $\frac{3}{5} \times \frac{5}{6}$

b
 $\frac{4}{9} \times \frac{3}{8}$

c
 $\frac{7}{8} \times \frac{6}{7}$

d
 $\frac{2}{3} \times \frac{3}{4} \times \frac{1}{5}$

2. $\frac{9}{10} \times \frac{5}{6}$

$\frac{5}{8} \times \frac{4}{15}$

$\frac{10}{11} \times \frac{11}{12}$

$\frac{4}{5} \times \frac{3}{4} \times \frac{5}{6}$

3. $\frac{7}{9} \times \frac{9}{14}$

$\frac{4}{5} \times \frac{5}{12}$

$\frac{3}{4} \times \frac{8}{9}$

$\frac{4}{7} \times \frac{2}{3} \times \frac{7}{8}$

4. $\frac{4}{9} \times \frac{9}{10}$

$\frac{2}{3} \times \frac{9}{10}$

$\frac{3}{10} \times \frac{5}{6}$

$\frac{2}{5} \times \frac{3}{4} \times \frac{5}{6}$

5. $\frac{5}{9} \times \frac{9}{10}$

$\frac{7}{8} \times \frac{2}{7}$

$\frac{3}{10} \times \frac{5}{9}$

$\frac{4}{7} \times \frac{7}{8} \times \frac{2}{3}$

Perfect score: 20

My score: _____