

Take out hw pages 82-83 and write the number of problems you completed (10) at the top of your page and start correcting.

**Multiply. Write each product in simplest form. (Example 1)**

1.  $\frac{1}{2} \times \frac{5}{8} = \frac{5}{16}$

4.  $2\frac{3}{8} \times 16 = 38$   
 $\frac{19}{8} \cdot \frac{16}{1} = 38$

2.  $\frac{2}{3} \times \frac{5}{3} = \frac{10}{9}$

5.  $1\frac{4}{5} \times \frac{5}{12} = \frac{3}{4}$   
 $\frac{9}{5} \times \frac{5}{12} = \frac{3}{4}$

3.  $\frac{3}{4} \times \frac{5}{5} = \frac{3}{20}$

6.  $1\frac{2}{10} \times 5 = 6$   
 $\frac{12}{10} \cdot \frac{5}{1} = 6$

Solve. Write each answer in simplest form.

18. Erin buys a bag of peanuts that weighs  $\frac{3}{4}$  of a pound. Later that week, the bag is  $\frac{2}{3}$  full. How much does the bag of peanuts weigh now? Show your work.  
 $\frac{2}{3} \times \frac{3}{4} = \frac{2 \times 3}{3 \times 4} = \frac{6}{12} = \frac{1}{2}$  pound

19. **Multistep** Marianne buys 16 bags of potting soil that comes in  $\frac{3}{8}$ -pound bags.

a. How many pounds of potting soil does Marianne buy?  
 10 pounds

b. If Marianne's father calls and says he needs 13 pounds of potting soil, how many additional bags should she buy?  
 5 more bags

20. **Music** Two fifths of the instruments in the marching band are brass, one third are percussion, and the rest are woodwinds.

a. What fraction of the band is woodwinds?  
 $\frac{4}{15}$

b. One half of the woodwinds are clarinets. What fraction of the band is clarinets?  
 $\frac{2}{15}$

c. One eighth of the brass instruments are tubas. If there are 240 instruments in the band, how many are tubas?  
 12

**Fruit Salad**

$3\frac{1}{2}$  cups thinly sliced rhubarb  
 15 seedless grapes, halved  
 $\frac{1}{2}$  orange, sectioned  
 10 fresh strawberries, halved  
 $\frac{3}{4}$  apple, cored and diced  
 $\frac{3}{4}$  peach, sliced  
 1 plum, pitted and sliced  
 $\frac{1}{4}$  cup fresh blueberries

a. What are the new amounts for the oranges, apples, blueberries, and peaches?  
 oranges =  $1\frac{1}{2}$ , apples =  $1\frac{4}{5}$ ,  
 blueberries =  $\frac{3}{4}$  cup,  
 peaches = 2

b. **Communicate Mathematical Ideas**  
 The amount of rhubarb in the original recipe is  $3\frac{1}{2}$  cups. Using what you know of whole numbers and what you know of fractions, explain how you could triple that mixed number.  
 Sample answer: If you triple 3, it becomes 9. If you triple  $\frac{1}{2}$ , it becomes  $1\frac{1}{2}$ . Add  $9 + 1\frac{1}{2} = 10\frac{1}{2}$

brass:  $\frac{2}{5} \times 240 = 96$

perc:  $\frac{1}{3} \times 240 = 80$

woodwinds:  $240 - 96 - 80 = 64$

clarinets:  $\frac{1}{2} \times 64 = 32$

tubas:  $\frac{1}{8} \times 96 = 12$

Oct 2-3:39 PM

Tear out the following pages:

85 - 102 (you may already have these in your binder)

571 - 587

Return your book to the proper spot

Oct 5-10:13 AM

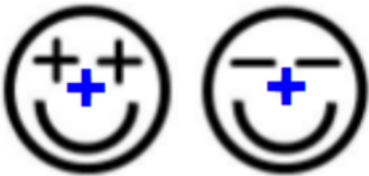
LESSON **19.4** **Multiplying Rational Numbers**



Apply and extend understandings of operations with fractions to multiply rational numbers.

Oct 5-10:02 AM

Same Signs -  
POSITIVE



Different Signs -  
NEGATIVE



Oct 5-10:36 AM

~~Use a number line to find each product.~~ pg.574

2.  $3\left(-\frac{1}{4}\right)$

$-\frac{3}{4}$

4.  $-\frac{3}{4}(-4)$

3


6.  $-1.8(5)$

-9

$1.8 \times 5 = 9.0$

Oct 5-10:56 AM

Gina hiked **down** a canyon and stopped each time she **descended**  $\frac{1}{2}$  mile to rest. She hiked a total of 4 sections. What is her overall change in elevation?



$-\frac{1}{2} \times 4 = -2$

- 2 miles

Her overall change in elevation has descended by 2 miles.

Oct 5-10:44 AM

15. The price of one share of Acme Company declined \$3.50 per day pg.574 for 4 days in a row. What is the overall change in price of one share?

$$\begin{array}{r} -3.50 \\ \times \quad 4 \\ \hline -14.00 \end{array}$$

The price of one share declined \$14

16. In one day, 18 people each withdrew \$100 from an ATM machine. What is the overall change in the amount of money in the ATM machine?

$$18(-100) = -\$1800$$

\$1800 was withdrawn from the ATM.

Oct 5-10:45 AM

**Look for a Pattern** You know that the product of two negative numbers is positive, and the product of three negative numbers is negative.

**YOUR TURN**  pg.573

Find each product.

4.  $\left(\frac{-3}{14}\right)\left(\frac{-4}{7}\right)\left(\frac{-2}{3}\right)$

$$\frac{12}{14} \cdot \frac{8}{21}$$

$$-\frac{1}{14}$$

5.  $\left(-\frac{2}{3}\right)\left(-\frac{3}{4}\right)\left(\frac{4}{5}\right)$

$$\frac{2}{5}$$

6.  $\left(\frac{1}{3}\right)\left(\frac{3}{10}\right)\left(\frac{5}{6}\right)$

$$\frac{1}{10} \cdot \frac{1}{2}$$

$$-\frac{1}{20}$$

Oct 5-10:48 AM

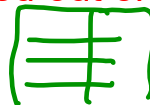
Homework

Page 574 (1 - 13 odd)

Page 575 (18 - 22 all)

12 Problems

All problems must be rewritten and solved out on  
separate sheet of paper



Wednesday you will begin retaking your lowest summative. You need  
to check your grade report and identify which is your lowest.

Oct 5-11:04 AM