

Problem 3.4  
Dividing Fractions

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

1.  $\frac{1}{3} \div 9$

2.  $12 \div \frac{1}{6}$

3.  $\frac{5}{6} \div \frac{1}{12}$

4.  $5 \div 1\frac{1}{2}$

5.  $\frac{1}{2} \div 3\frac{2}{3}$

6.  $\frac{3}{4} \div \frac{3}{4}$

7.  $5 \div \frac{2}{3}$

8.  $\frac{1}{8} \div 12$

9.  $3 \div \frac{2}{3}$

10.  $3\frac{1}{3} \div \frac{2}{3}$

11.  $5\frac{2}{3} \div 1\frac{1}{2}$

12.  $\frac{9}{5} \div \frac{1}{2}$

13. Write two of your own fraction division problems and solve them.

A.

B.

14.  $9 \div \frac{2}{3}$

15.  $1\frac{7}{8} \div 3$

16.  $1\frac{2}{3} \div \frac{1}{8}$

17.  $2\frac{5}{6} \div 1\frac{1}{3}$

18. The Easy Baking Company makes muffins. They make several sizes, ranging from very small to very large. There are 20 cups of flour in the packages of flour they buy. How many muffins can they make from a package of flour if each muffin takes one of the following amounts of flour?

a.  $\frac{1}{4}$  cup

b.  $\frac{2}{4}$  cup

c.  $\frac{3}{4}$  cup

d.  $\frac{1}{10}$  cup

e.  $\frac{2}{10}$  cup

f.  $\frac{7}{10}$  cup

g.  $\frac{1}{7}$  cup

h.  $\frac{2}{7}$  cup

i.  $\frac{6}{7}$  cup

j. Explain how the answers for  $20 \div \frac{1}{7}$ ,  $20 \div \frac{2}{7}$ , and  $20 \div \frac{6}{7}$  are related. Show why this makes sense.

19.  $6 \div \frac{5}{3}$

20.  $5 \div \frac{2}{9}$

21.  $3 \div \frac{1}{4}$

22.  $4 \div \frac{5}{8}$

23.  $5 \div \frac{1}{4}$

24.  $5 \div \frac{1}{8}$

25.  $5 \div \frac{1}{16}$