

Day 3: Dividing Fractions

1. Divide the following fractions:

a. $4 \div \frac{2}{3}$

b. $\frac{3}{2} \div \frac{1}{6}$

c. $\frac{5}{6} \div \frac{1}{2}$

d. $\frac{7}{8} \div \frac{1}{4}$

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

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

g. $5\frac{3}{4} \div 1\frac{1}{8}$

h. $6 \div 2\frac{1}{3}$

2. Charles has 6 cups of popcorn. How many friends can he share the popcorn with if each is given $\frac{2}{3}$ cup?

Draw a diagram to represent the problem and then solve it.

3. Leia has $\frac{3}{4}$ cup of laundry detergent left in the detergent bottle. Each load of laundry requires $\frac{1}{6}$ cup of detergent. How many loads of laundry can Lea wash? Draw a diagram to represent the problem and then solve it.

4. Aleena has $\frac{3}{4}$ cup of bananas. A batch of banana muffins requires $\frac{1}{3}$ cup of bananas. How many batches of banana muffins can Aleena make? Draw a diagram to represent the problem and then solve it.

5. Each box of Apple Jacks contains 16 ounces of cereal. How many $1\frac{1}{4}$ ounce servings does each box contain?