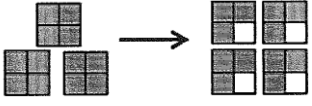
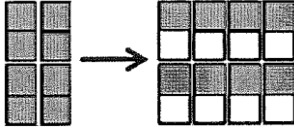
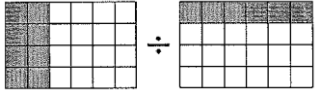



Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Math 8 Section 2.5 Dividing Two Fractions with Manipulatives:**

1. Given each of the following diagrams, write the division statement and determine the answer. Write the answer in lowest form:

|   |  |
|---|--|
| <p>a)</p>  | <p>b)</p>  |
| <p>c)</p>  | <p>d)</p>  |

2. Divide each of the following statements and write your answer in lowest form:

|   |   |   |
|---|---|---|
| <p>a) <math>21 \div \frac{3}{4}</math></p>                              | <p>b) <math>\frac{3}{16} \div \frac{9}{12}</math></p>                       | <p>c) <math>\frac{1}{3} \div \frac{11}{12}</math></p>                   |
| <p>c) <math>12 \div \frac{1}{3} \div \frac{1}{2}</math></p>             | <p>d) <math>\frac{2}{3} \div \frac{12}{15}</math></p>                       | <p>e) <math>\frac{4}{21} \div \frac{16}{7}</math></p>                   |
| <p>f) <math>3\frac{3}{5} \div \frac{15}{27}</math></p>                  | <p>g) <math>8 \div \frac{4}{5} \div \frac{3}{4} \div \frac{2}{3}</math></p> | <p>h) <math>\frac{1}{3} \div \frac{4}{27} \div \frac{16}{21}</math></p> |
| <p>i) <math>1\frac{2}{3} \div 2\frac{3}{6} \div 6\frac{1}{4}</math></p> | <p>j) <math>\frac{2}{3} \div 2\frac{3}{4} \div 7\frac{1}{3}</math></p>      | <p>k) <math>7\frac{3}{4} \div 5\frac{1}{3} \div 1\frac{1}{2}</math></p> |

3. Draw a diagram for the following statement:

a)  $\frac{10}{12} \div \frac{1}{3}$

b)  $\frac{6}{7} \div \frac{3}{4}$

4. After a birthday party,  $\frac{5}{8}$  of a pizza was leftover. The next day, 3 three friends decide the split the pizza evenly. How much of the original pizza would each person have?
5. An earthquake in Japan was  $2\frac{1}{2}$  times greater than the earthquake in Italy. Another earthquake in Chile was  $11\frac{2}{3}$  greater than the earthquake in Italy. How many times greater was the earthquake in Chile compared to Japan?
6. A song on your iPhone is  $3\frac{3}{4}$  minutes long. If you have  $9\frac{2}{3}$  minutes, how many times can you listen to the song?
7. Divide the following and express your answer as a mixed fraction:

$$\frac{\frac{1}{2} + \left(\frac{3}{4} \div \frac{1}{2}\right)}{\left(\frac{1}{6} + \frac{2}{3}\right) \div \frac{3}{5}}$$