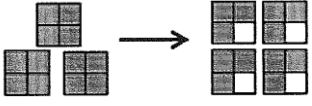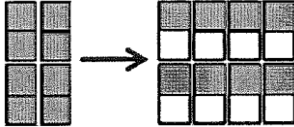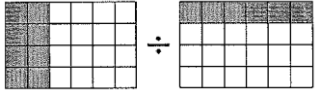Name:_____ Date:_____

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:

a)	b)

c)	d)

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

a) $21 \div \dfrac{3}{4}$	b) $\dfrac{3}{16} \div \dfrac{9}{12}$	c) $\dfrac{1}{3} \div \dfrac{11}{12}$
c) $12 \div \dfrac{1}{3} \div \dfrac{1}{2}$	d) $\dfrac{2}{3} \div \dfrac{12}{15}$	e) $\dfrac{4}{21} \div \dfrac{16}{7}$
f) $3\dfrac{3}{5} \div \dfrac{15}{27}$	g) $8 \div \dfrac{4}{5} \div \dfrac{3}{4} \div \dfrac{2}{3}$	h) $\dfrac{1}{3} \div \dfrac{4}{27} \div \dfrac{16}{21}$
i) $1\dfrac{2}{3} \div 2\dfrac{3}{6} \div 6\dfrac{1}{4}$	j) $\dfrac{2}{3} \div 2\dfrac{3}{4} \div 7\dfrac{1}{3}$	k) $7\dfrac{3}{4} \div 5\dfrac{1}{3} \div 1\dfrac{1}{2}$

3. Draw a diagram for the following statement:

a) $\dfrac{10}{12} \div \dfrac{1}{3}$	b) $\dfrac{6}{7} \div \dfrac{3}{4}$

4. After a birthday party, $\dfrac{5}{8}$ 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 $2\dfrac{1}{2}$ times greater than the earthquake in Italy. Another earthquake in Chile was $11\dfrac{2}{3}$ 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 $3\dfrac{3}{4}$ minutes long. If you have $9\dfrac{2}{3}$ minutes, how many times can you listen to the song?

7. Divide the following and express your answer as a mixed fraction: $\dfrac{\dfrac{1}{2}+\left(\dfrac{3}{4}\div\dfrac{1}{2}\right)}{\left(\dfrac{1}{6}+\dfrac{2}{3}\right)\div\dfrac{3}{5}}$