me:_____   Date:_____

Math 8 Section 2.4 Dividing Fractions and Integers Using Manipulatives:

1. Divide the following fractions:

a) $8 \div \dfrac{4}{5}$	b) $6 \div \dfrac{2}{3}$	c) $20 \div \dfrac{35}{3}$	d) $30 \div \dfrac{15}{4}$	e) $55 \div \dfrac{15}{2}$
f) $\dfrac{16}{5} \div 4$	g) $\dfrac{35}{4} \div 7$	h) $3\dfrac{3}{4} \div 5$	i) $5\dfrac{1}{4} \div 21$	j) $6\dfrac{2}{3} \div 8$
k) $\dfrac{20}{9} \div \dfrac{15}{3}$	l) $4\dfrac{2}{3} \div 1\dfrac{2}{7}$	m) $\dfrac{16}{21} \div \dfrac{24}{35}$	n) $6\dfrac{3}{4} \div \dfrac{3}{16}$	o) $1\dfrac{10}{15} \div \dfrac{45}{81}$

2. Draw a model to represent each of the following:

a) $6 \div \dfrac{2}{3}$	b) $5 \div \dfrac{2}{3}$	c) $12 \div 2\dfrac{2}{3}$
d) $3\dfrac{3}{4} \div 5$	e) $\dfrac{5}{6} \div 2$	f) $\dfrac{12}{5} \div 3$

3. Rick has a string 60 meters. He cuts the string into pieces that are 2/3 of a meter long. How many pieces will he have?

4. Sally and her friends bought three pizzas, with eight slices each. One of the boys ate 3 slices and went home. They now need to split the rest of the pizza amongst six people. What fraction of a pizza does each person get?

5. Michael has a piece of tape $7\frac{4}{5}$ units long. If he cuts it into pieces each $\frac{3}{5}$ of a unit long, how many pieces will he have?

6. A high speed pump can empty 4/7 of a tank in 20 minutes. How many minutes would it take the pump to empty an entire tank?

7. A cookie recipe requires $1\frac{2}{3}$ cups of flour to make 10 cookies. If Sarah has 18cups of flour, how many cookies can she make?

8. Challenge: Evaluate the following: $1+\cfrac{1}{1+\cfrac{1}{1+\cfrac{1}{2}}}$