

**Strand:** \_\_\_\_\_ **Numbers and Operations** \_\_\_\_\_ **Name:** \_\_\_\_\_

**Skill Addressed:** Understanding Operations with Fractions **Blk:** \_\_\_\_

**Activity:** *Understanding Dividing Fraction*

This task is a non-calculator activity; it will help you make sense of dividing fractions.

### Back to Basic Concepts – Dividing Fractions

Think of a context, and use a diagram to represent each of the following division statements:

*\*\*Note: There are two ways to think about division:  $6 \div 2$  can be thought of as 6 cookies shared between 2 people (partitive – you know how many portions you want, and you are looking for how many are in each portion – the size of each portion). It can also be thought of as “how many people are there if each person receives 2 cookies?” (quotitive – you know the portion size (quota) and you are looking for how many portions there will be).*

a)  $6 \div 2$

b)  $5 \div 2$

c)  $\frac{4}{5} \div \frac{2}{5}$

d)  $2\frac{3}{4} \div \frac{1}{2}$

Report back to the class and explain your diagrams and which type of division your problem demonstrates (partitive or quotitive).

Use these examples and others to develop a procedure for division of fractions that makes sense.