

LAB 8 HOMEWORK QUESTIONS

1. Use the idea of paper folding to model each of the following. For each part:
 - ✓ Describe what you are using for 1 and how you found it.
 - ✓ Use appropriate terminology.
 - ✓ Use very simple sketches for your models; sketch your work, explain each step and clearly label each diagram.
 - ✓ You may wish to use graph paper to sketch your paper folding.

$$\text{a. } \frac{1}{3} \times \frac{3}{5} = ? \quad \text{b. } 2\frac{3}{4} \times 1\frac{3}{5} = ?$$

2. Explain how a child can discover the fraction multiplication rule $\frac{A}{B} \times \frac{C}{D} = \frac{AC}{BD}$ by using paper folding.
3. Review the Standards Summary. At what grade level do students first start multiplying fractions? State the standard and expectation that you used to determine this answer. Justify using models such as wooden cubes and paper folding for fraction multiplication by referring to the Standards.