

LAB 6 HOMEWORK QUESTIONS

1. Use wooden cubes to model each of the following. For each part:
 - ✓ Describe what you are using for 1 and how you found it.
 - ✓ Use appropriate terminology.
 - ✓ Show the model for 1 and the model for each addend or the model for one and the model for the subtrahend and the model for the minuend separately
 - ✓ Show the addends, the subtrahend and the minuend as parts of a whole; show the whole and mark the part. For example; 1 cube can't show $\frac{1}{3}$ but 1 block marked out of three cubes can.
 - ✓ Use very simple sketches for your models; sketch your work, explain each step and clearly label each diagram.
 - ✓ Explain how your model connects to the standard paper and pencil algorithm.
 - ✓ Your cube sketches may be simple squares or Xs.

$$\text{a. } \frac{2}{5} + \frac{3}{4} = ? \quad \text{b. } \frac{7}{10} - \frac{1}{4} = ?$$

2. Use Cuisenaire Rods to model each of the following. For each part:
 - ✓ Describe what you are using for 1 and how you found it.
 - ✓ Use appropriate terminology.
 - ✓ Show the model for 1 and the model for each addend or the model for one and the model for the subtrahend and the model for the minuend separately
 - ✓ Show the addends, the subtrahend and the minuend as parts of a whole train; show the whole train and mark the part.
 - ✓ Use very simple sketches for your models; sketch your work, explain each step and clearly label each diagram.
 - ✓ Label every train; refer to your lab.
 - ✓ Explain how your model connects to the standard paper and pencil algorithm.

$$\text{a. } \frac{3}{4} + \frac{5}{6} = ? \quad \text{b. } \frac{7}{10} - \frac{3}{8} = ?$$