Name: _____ Date: _____
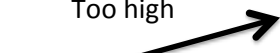
Learning Goal Lab #: _____ Title: _____

Ask a Driving Question

What do you notice? What does this remind you of?

Estimate

Too high

Too low

Try it! Calculate

Block Letter: _____

Block Type 1: _____

Block Type 2: _Single Cube_

Block Name: _____   # of Block Type 1: _____   # of Block Type 2: _____

Block Name: _____   # of Block Type 1: _____   # of Block Type 2: _____

Are you correct? No? Try again!
What did you do differently this time?

1) How close was your solution to your later measurements? What might have thrown off your answer? _____
_____
_____

2) Why do you think this method works for finding out the volumes of the components? _____
_____
_____
_____

3) Can you think of any other kinds of mixtures that you might be able to use this method to find the components of?
_____
_____
_____

4) In the graph, what does the point (32,8) mean for the blocks? What about (24,10), which is only on the blue line? Or (10,16), which is only on the red line? _____
_____
_____

Let x = number of Single Cubes
Let y = number of Purple Rods
Mass of Single Cube = 1
Mass of Purple Rod = 2.5
Volume of Single Cube = 1
Volume of Purple Rod = 4

Let x = number of Single Cubes
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Mass of Single Cube = 1
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