Rainbow Lab

Objectives :

- to develop skills measuring chemicals with a graduated cylinder.
- to practice using the metric system.
- to test precision and ability to follow directions.
- to practice lab safety procedures.

Procedure:

Part 1:

1. Label 6 test tubes in order : A, B, C, D, E & F.
2. Fill a beaker half full with water. Use this to rinse your graduated cylinder and test tubes.
3. The second beaker is for contaminated waste water.
4. Into test tube A, measure 25 mL of RED liquid.
5. Into test tube C, measure 17 mL of YELLOW liquid.
6. Into test tube E, measure 21 mL of BLUE liquid.

Part 2:

1. From test tube **C**, measure 4 mL and pour into test tube **D**.
2. From test tube **E**, measure 7 mL and pour into test tube **D**. Swirl.
3. From test tube **E**, measure 4 mL and pour into test tube **F**.
4. From test tube **A**, measure 7 mL and pour into test tube **F**. Swirl.
5. From test tube **A**, measure 8 mL and pour into test tube **B**.
6. From test tube **C**, measure 3 mL and pour into test tube **B**. Swirl.
7. Save your results. Measure the contents of each test tube and record how many mL were found in each test tube.
8. Answer questions.

Data : Table 1 Test Tube Results (set up your own table using this as a model)

Test Tube	Color of Liquid	Amount of Liquid (mL)
A		
B		
C		
D		
E		
F		
	Total liquid Test Tubes A-F	mL