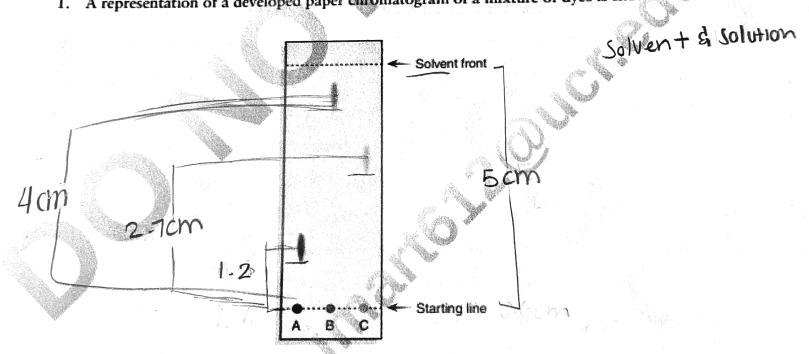


A representation of a developed paper chromatogram of a mixture of dyes is shown here:



Use a ruler to determine the R, values for each dye in the mixture. Show your calculations.

$$(R_F)_1 = \frac{1.2}{5} \rightarrow 0.24$$

Since it can't more mich.

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■ Paper Chromatography

2. Explain why all R, values should be between 0 and 1.

The Re values should be between 0 & 1 because the mixture must move but the solution cannot track move than the solut. The solvent 15 new Obst 15 new found to 3. Provide names or formulas for the following species. Include any charges on ions. be more than 2

a. water <u>H20</u>

b. Co Cobalt dioxide

c. nickel Ni

d. copper(II) ion ______(,U,2+

e. ammonia NH3 -> nitrogen trimydrogen