**Chromatography, Distillation and Drinking water**

**Drinking water:**

Describe a process how you could get pure water from sea water

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**Distillation:**

What two processes happen in distillation?

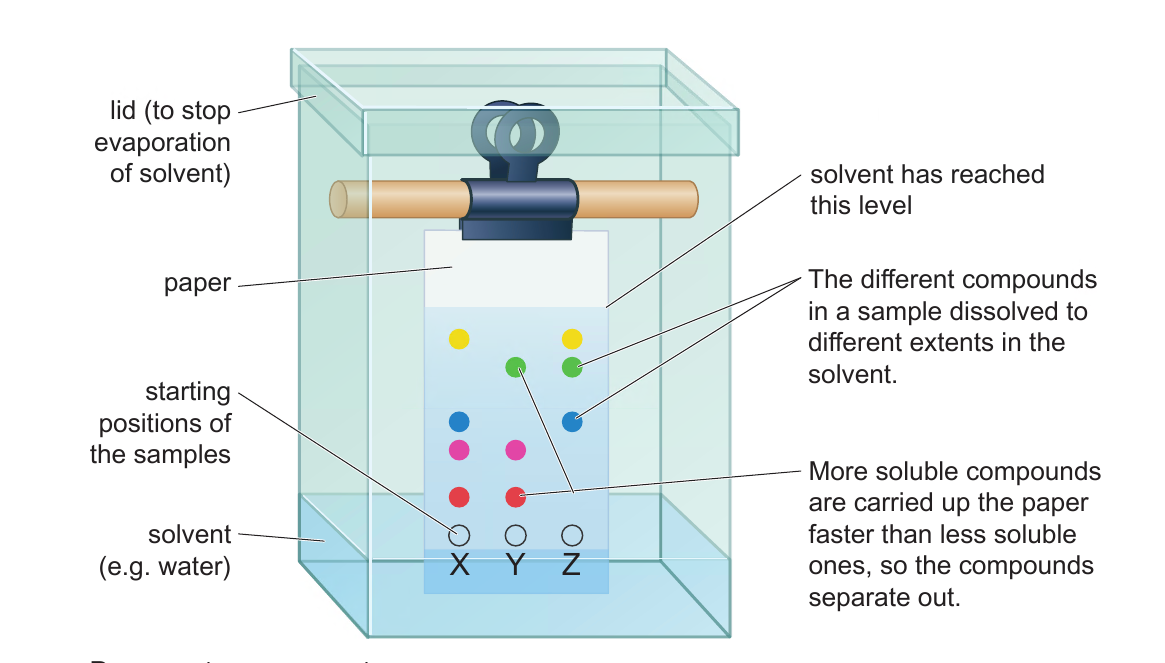
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**Chromatography:**

What is chromatography used for?

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Name the mobile phase \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the stationary phase?

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What is the solvent front?  
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What is the reason why the baseline is drawn in pencil?

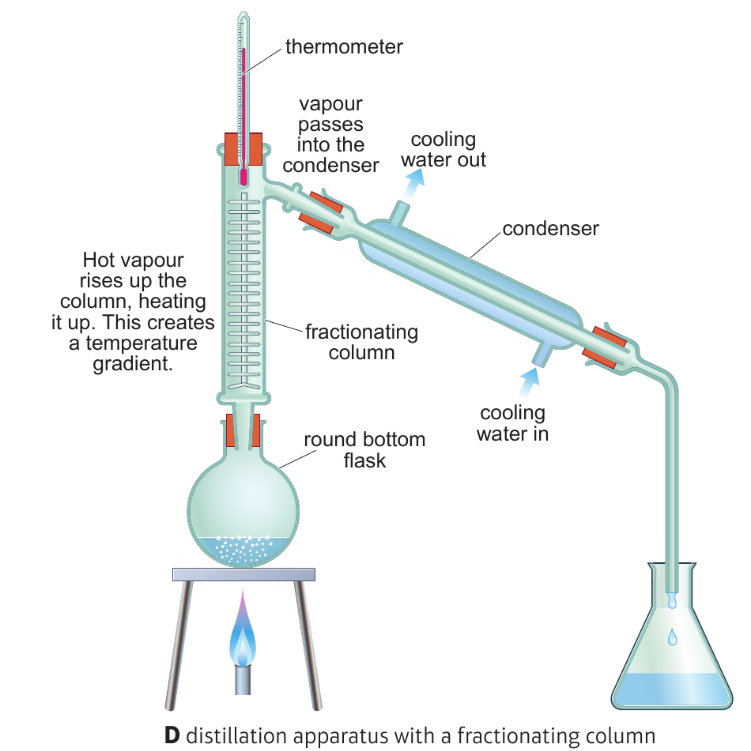
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What is the equation for calculating Rf value?

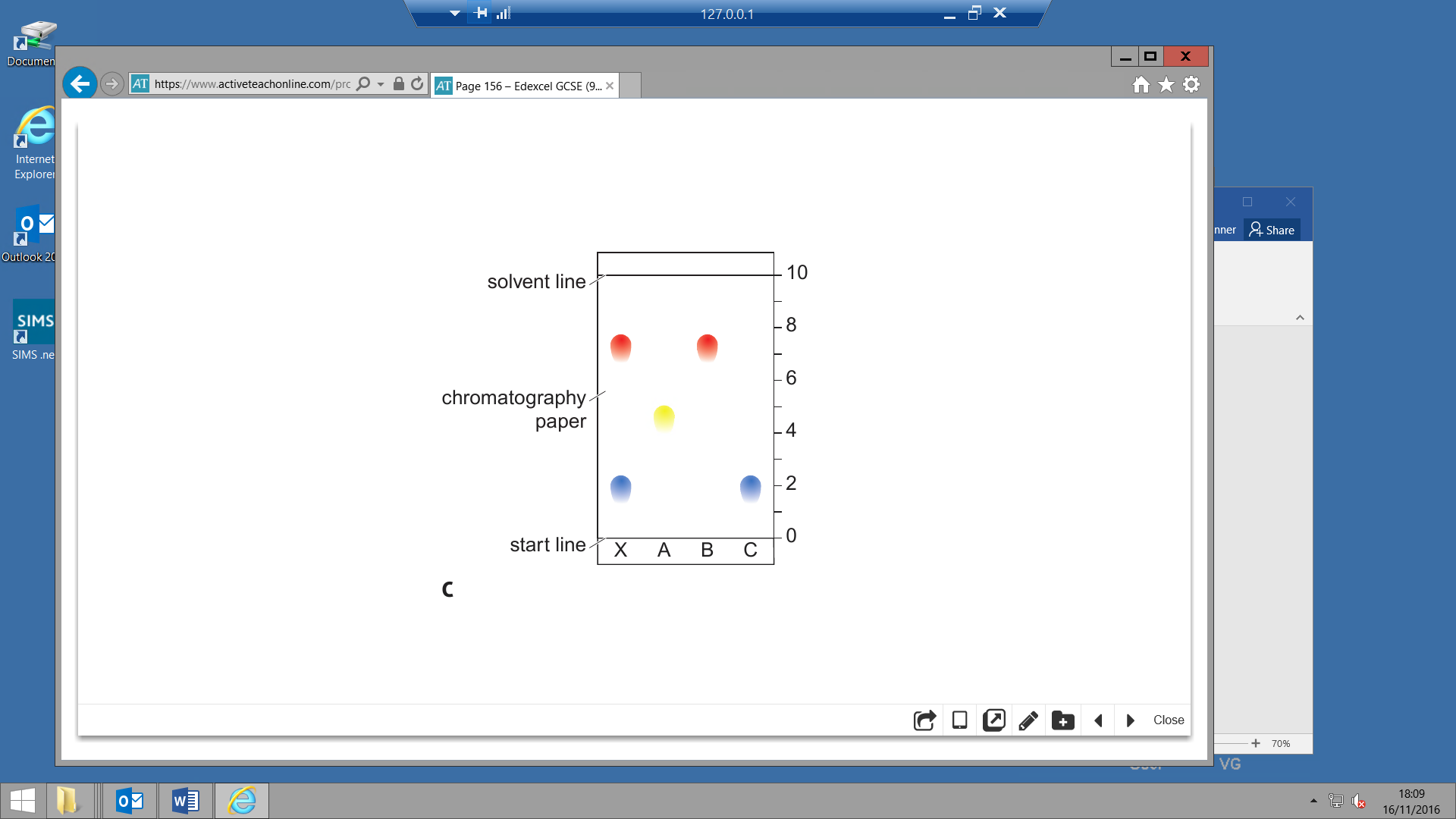
**Fractional Distillation:**

What is fractional distillation used for?

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**Chromatography:**



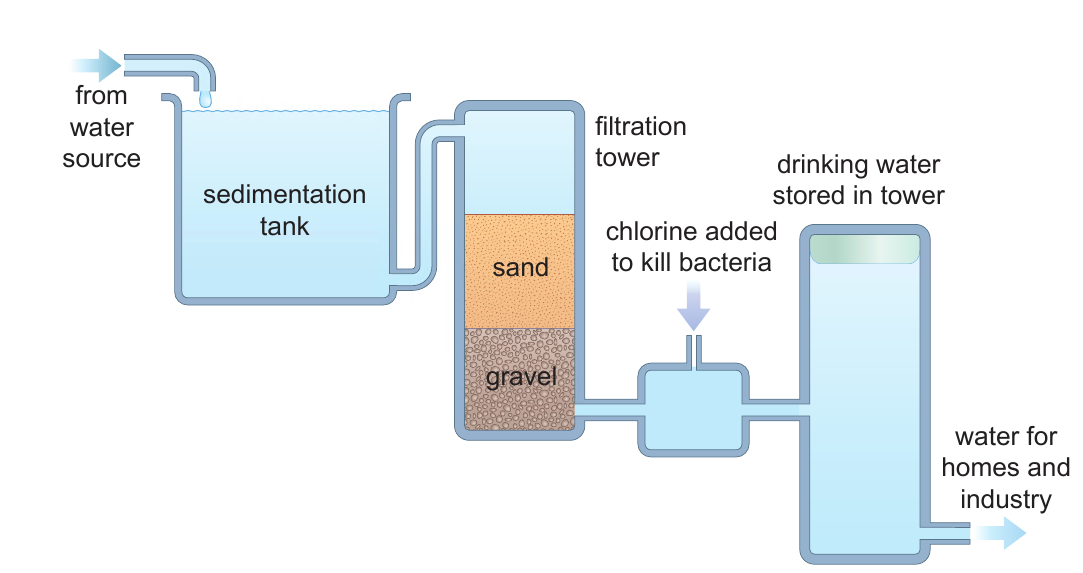
Which food colourings (A, B or C) is in substance X? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Calculate the Rf value:

Food colouring A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Food colouring B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Drinking Water:**



Describe the process of sedimentation

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Describe the process of filtration

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Describe the process of chlorination

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Explain the importance of chemical analysis of water

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