## Activity 2: Cubes of Paint

A recipe for maroon paint says, “Mix 5 ml of red paint with 3 ml of blue paint.”

1. Use snap cubes to represent the amounts of red and blue paint in the recipe. Then, draw a sketch of your snap-cube representation of the maroon paint.
   1. What amount does each cube represent?
   2. How many milliliters of maroon paint will there be?
   3. Suppose each cube represents 2 ml. How much of each color paint is there?
   * Red: \_\_\_\_\_\_\_ ml
   * Blue: \_\_\_\_\_\_\_ ml
   * Maroon: \_\_\_\_\_\_\_ ml
   1. Suppose each cube represents 5 ml. How much of each color paint is there?
   * Red: \_\_\_\_\_\_\_ ml
   * Blue: \_\_\_\_\_\_\_ ml
   * Maroon: \_\_\_\_\_\_\_ ml
   1. Suppose you need 80 ml of maroon paint. How much red and blue paint would you mix? Be prepared to explain your reasoning.
   * Red: \_\_\_\_\_\_\_ ml
   * Blue: \_\_\_\_\_\_\_ ml
   * Maroon: 80 ml
   1. If the original recipe is for one batch of maroon paint, how many batches are in 80 ml of maroon paint?



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