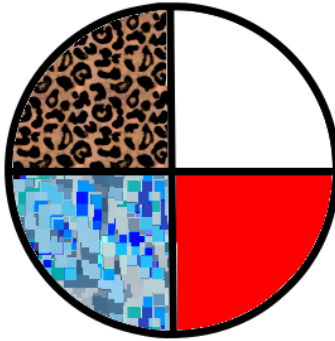


Homework 6 extra problems

This is a cake with four parts.



Question 1. Let's say 3 people (A, B, C) are dividing the cake using the last diminisher method.

- A likes the leopard print and the blue bitties pattern.
- B likes everything equally
- C likes only the red part

Please show how they might divide the cake, if they go in the order A, B, C . You may have to draw more than one picture to show the sequence of moves that happen.

Question 2. With the same picture and description as above, let's introduce 3 more people:

- D likes only the white part
- E likes only the red and white parts
- F likes everything except the blue bitties pattern

Please describe how A, B, C, D, E , and F would divide the cake using the last diminisher method.

Question 3. When doing the last diminisher method, is it better to be first person in the ordering, or the last? Explain why.