

Arvind and Mariah tested four juice mixes.

Mix A

2 cups concentrate
3 cups cold water

Mix B

1 cup concentrate
4 cups cold water

Mix C

4 cups concentrate
8 cups cold water

Mix D

3 cups concentrate
5 cups cold water

- A. Which recipe will make juice that is the most “orangey”? Explain your answer.
- B. Which recipe will make juice that is the least “orangey”? Explain your answer.
- C. Assume that each camper will get $\frac{1}{2}$ cup of juice. For each recipe, how much concentrate and how much water are needed to make juice for 240 campers? Explain your answer.