



Punch Party

M2C3 Project (2018)



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Party Punch

- Have you every made a party punch?
- What are your favorite ingredients?
- How fizzie do you like your punch?
- How do you make a punch less fizzie?

To watch someone make punch [click here](#).

What did you notice?

What do you wonder?



Help me plan a punch party for tomorrow!

Version A

I need you to help me make punch for a party. You need to create a recipe that includes 3 juices and a sparkling water. We have measuring cups in the following sizes to use for making the punch:

$\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$ and 1 cup.

Recipe rules for one batch of punch:

- Measurements need to be multiples of the measuring cups we have.
- Sparkling water must be more than 1 cup, but less than 2 cups.
- **All juices must be less than one cup.**



Help me plan a punch party for tomorrow!

Version B

I need you to help me make punch for a party. You need to create a recipe that includes 3 juices and a sparkling water. We have measuring cups in the following sizes to use for making the punch:

$\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{4}$ and 1 cup.

Recipe rules for one batch of punch:

- Measurements need to be multiples of the measuring cups we have.
- Sparkling water must be more than 1 cup, but less than 2 cups.
- **All juices must be less than one cup.**



Help me plan a punch party for tomorrow!

Version C

I need you to help me make punch for a party. You need to create a recipe that includes 3 juices and a sparkling water. We have measuring cups in the following sizes to use for making the punch:

Recipe rules for one batch of punch:

- Measurements need to be multiples of the measuring cups we have.
- Sparkling water must be more than 1 cup, but less than 2 cups.
- **All juices must be less than one cup.**



Questions to help me bring enough ingredients:

How many servings of punch does your recipe make?

How many batches (copies) of your recipe do we need to make so all of us can have a serving of punch?

How much of each juice do I need to buy?

