The Lemonade Problem

https://youtu.be/ZfdZuWUGM_A

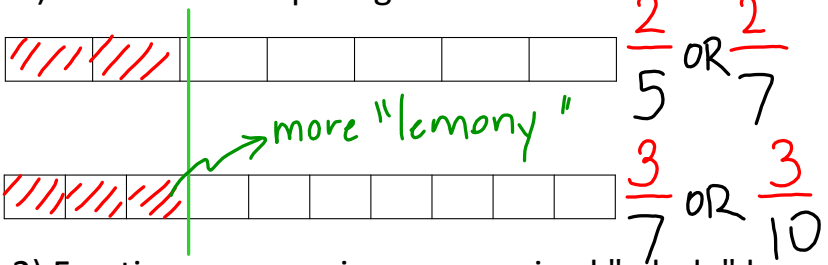
Watch the video. While you're watching, write on your whiteboard:

I notice...

I wonder...

OUR STRATEGIES:

1) Fractions: comparing a same sized "whole"



$\frac{2}{5}$ OR $\frac{2}{7}$

$\frac{3}{7}$ OR $\frac{3}{10}$

2) Fractions: comparing a same sized "whole" by finding a common denominator

$\frac{2}{5} = \frac{14}{35}$ (×7) $\quad \frac{J}{W} \quad \frac{3}{7} = \frac{15}{35}$ (×5) *more "lemony"

3) Table of values: growing the pattern to find a common denominator

J	W
2	5
4	10
6	15
8	20
10	25
12	30
14	35

(+2, +2, +5, +5)

J	W
3	7
6	14
9	21
12	28
15	35

(+3, +3, +7, +7) more "lemony"

4) Percent: comparing by finding a common denominator of 100 %

$\frac{2}{5} = \frac{40}{100}$ (×20)

$\frac{3}{7} = \frac{42.9}{100}$ (×14.3) *more "lemony"