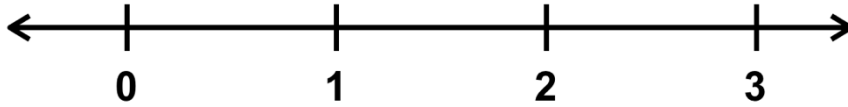
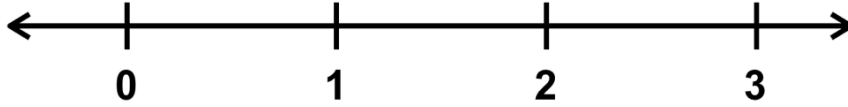


Do Now1. **Where is $\frac{3}{4}$?**2. **Where is $1\frac{1}{2}$?**3. **Where is $\frac{3}{4} + 1\frac{1}{2}$?**

A **benchmark** is a reference number that can be used to estimate the size of other numbers.

Read the text in **Let's Be Rational page 8**. Answer the questions in the space below.

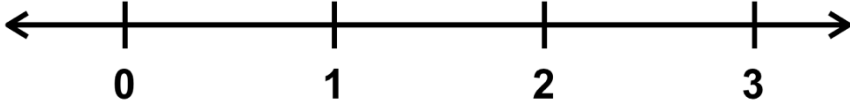
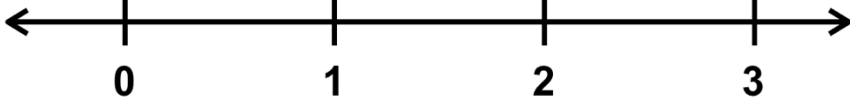
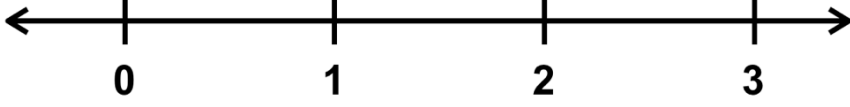
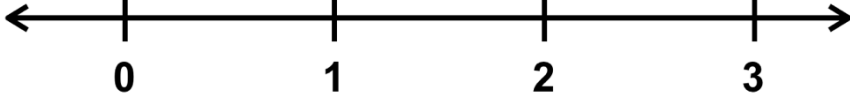
1. Which fraction benchmark is $\frac{3}{8}$ closest to? Is Raul correct?

2. Which benchmark is 0.58 closest to? Is Desiree correct?

3. Is the sum $\frac{1}{2} + \frac{5}{8}$ closest to 0, 1, or 2?

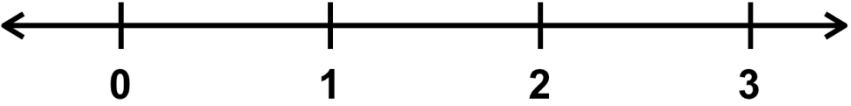
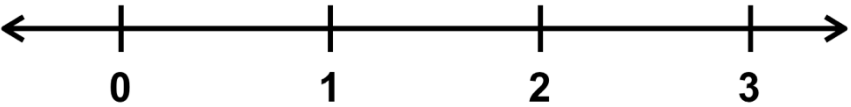
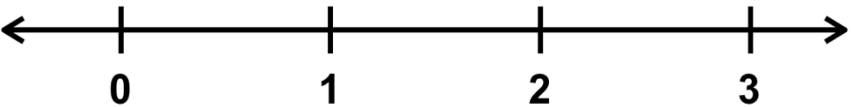
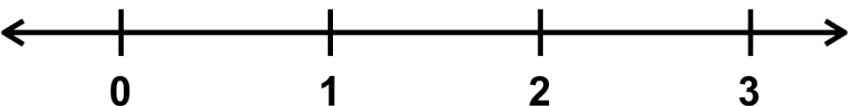
Number line Addition Game

1. Flip over 2 cards at a time from your pile.
2. **Estimate** where the sum of the two numbers would be on the number line, and mark it.
3. Calculate the sum by hand and write your final answer.
4. Check the point if your estimation was close to the calculation (if they are less than $\frac{1}{2}$ away from each other).

Round	Estimation	Calculation	Point
Round 1	 <p>A horizontal number line with arrows at both ends. It has four tick marks labeled 0, 1, 2, and 3 from left to right.</p>		
Round 2	 <p>A horizontal number line with arrows at both ends. It has four tick marks labeled 0, 1, 2, and 3 from left to right.</p>		
Round 3	 <p>A horizontal number line with arrows at both ends. It has four tick marks labeled 0, 1, 2, and 3 from left to right.</p>		
Round 4	 <p>A horizontal number line with arrows at both ends. It has four tick marks labeled 0, 1, 2, and 3 from left to right.</p>		

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In Rounds 5-8, choose one fraction card and one decimal card each. Follow the previous rules.

Round	Estimation	Calculation	Point
Round 5	 A horizontal number line with arrows at both ends. It has four tick marks labeled 0, 1, 2, and 3 from left to right.		
Round 6	 A horizontal number line with arrows at both ends. It has four tick marks labeled 0, 1, 2, and 3 from left to right.		
Round 7	 A horizontal number line with arrows at both ends. It has four tick marks labeled 0, 1, 2, and 3 from left to right.		
Round 8	 A horizontal number line with arrows at both ends. It has four tick marks labeled 0, 1, 2, and 3 from left to right.		

Reflection

1. What kinds of sums were easy to estimate? Why?

2. What kinds of sums were difficult to estimate? Why?

3. How can you tell which whole number a fraction is closer to?

4. How did you combine fractions with other fractions? Describe your strategy.

5. How did you combine a mixed number with a proper fraction? Describe your strategy.

Homework:

Let's Be Rational

Problem 1.1 (page 10)