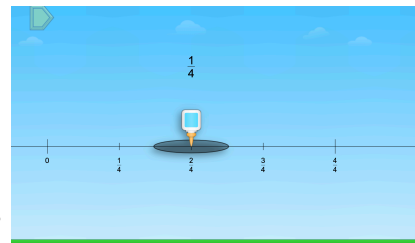




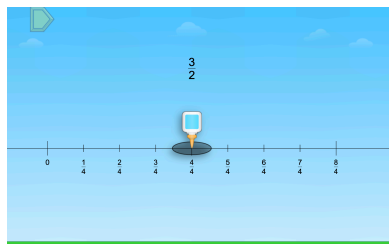
Materials

Whiteboards and markers
0-1 Fraction Number Line game mat

- Display the first puzzle from Level 1 that has the fraction in the sky labeled on the number line. Ask students, “What do you notice? How do you think you solve this puzzle?” Have students turn and talk to a neighbor about their thinking.
- Share students’ ideas. Briefly discuss fractions on a number line, including the meaning of the numerator and denominator.
- Display a puzzle from Level 1 that does NOT have the fraction in the sky labeled on the number line. Say to students, “In this puzzle, the fraction in the sky is NOT labeled on the number line. Turn and talk to a neighbor about where you think you should place the fraction in the sky.”
- Share students’ strategies for finding the equivalent fraction on the number line. Solve the puzzle and discuss the animation.



Directions



- Work through the puzzles in Level 2 and Level 3. As you display each puzzle, have students discuss how they determined the location of the fractions.
- Record the equivalent fractions on a whiteboard or chart paper. As you add to the list:
 - Ask students to look for a pattern as they determine where to place equivalent fractions on a number line.
 - Discuss the number and size of the partitions for equivalent fractions.
- Ask questions like, “How many twelfths are in one-third?” or “How many one-fourths make 1 whole?”

Sample Questions

- How could you prove these two fractions are equivalent?
- Can you name another equivalent fraction?
- How could you find an equivalent fraction for any given fraction?
- What happens to the size of the pieces as you make an equivalent fraction?

What to look for

- How does the student:
- find an equivalent fraction?
 - prove two fractions are equivalent?
 - locate a fraction on the number line?