Equal Parts

Whoa! Did you see that? Caleb is sledding down this hill. I wonder how far he can jump. Let's find out!

One, two, three, go, Caleb! Caleb jumped three sixths of a foot. Let's record that fraction on a number line.

We'll need to use this rectangle first. The denominator is 6, so let's partition the rectangle into 6 equal parts. The numerator is 3, so we'll color in 3 of the parts. Perfect! Now let's start labeling. 0 is here, and 1 is here.

Can you label the fractions? Zero sixths, one sixth, two sixths, three sixths, four sixths, five sixths, and six sixths. Remember, Caleb jumped three sixths of a foot, so our dot goes right here.

Caleb's headed down the hill again. This time he jumped five eighths of a foot. Nice one, Caleb! I wonder if we can find five eighths on a number line? Let's start with this rectangle. Do you know why it's partitioned into 8 equal parts? Yes! It's because the denominator is 8. Color in 5 parts, and line up the number line with the rectangle. Great! Let's label! Here's five eighths.

Caleb has time for one more jump. Go, Caleb! Wow, he jumped two halves of a foot! Let's find that fraction on a number line.

How many parts will we need in this rectangle? That's right, 2! 0 goes at one end, and 1 goes at the other end. What fraction goes here? Yes, zero halves. What about here? One half! And here? Two halves! Two halves is a whole because it takes up the entire number line from 0 to 1.

Nice job jumping, Caleb! Thanks for helping Caleb record his jumps on a number line!