Fractions Hopscotch

For this activity, grab some sidewalk chalk and practice fractions with family and friends. Fractions may seem tough to learn, but hopscotch is the perfect way to introduce the basics while enjoying some outdoor fun.

Suggested Ages – 1st Grade and Up

Guiding Questions -
- **Fractions** are a part of a whole. For example, one slice of pizza is part of a whole pizza. Is anything around you part of a whole?
- There are a lot of fractions involved with cooking. Can you find fractions in your kitchen?
- How many ways can you divide a pizza? A cake? What about a sandwich?
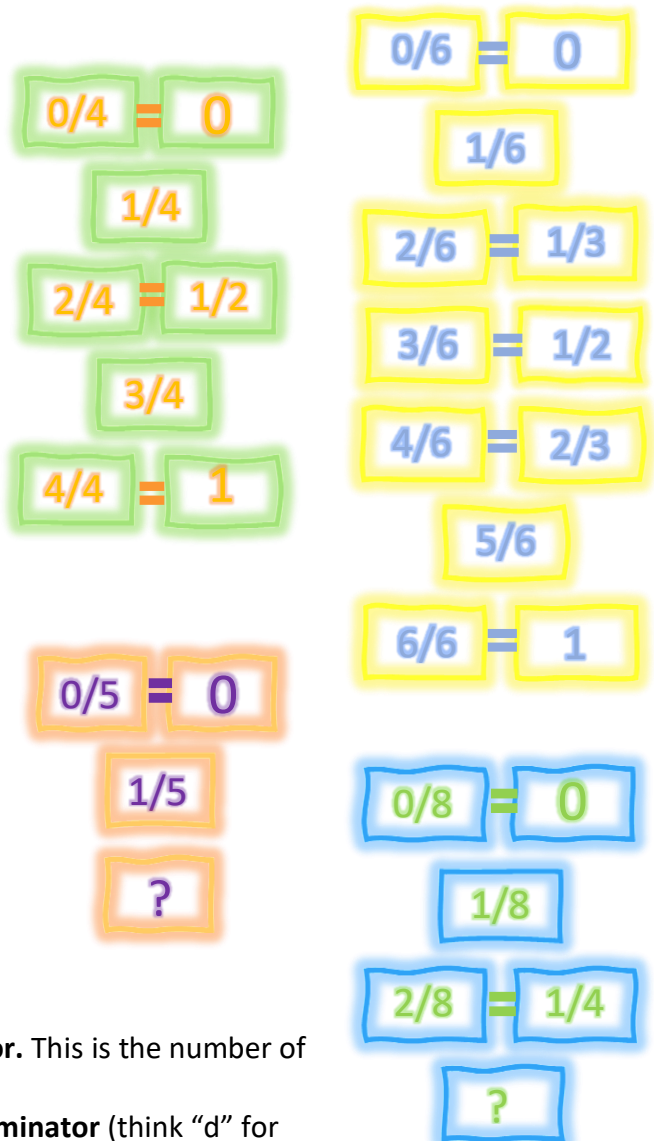
Materials -
- Sidewalk chalk

Activity Instructions -
- Draw your hopscotch boxes and place fractions inside the boxes. We have given you examples to start with.
- One foot goes in each box as you move down the line. When there is one box, you hop on one foot. When two boxes are together, place 1 foot in each.
- Say the fractions as you hop into each box.
- Can you make more fraction hopscotches?

Extra Information -
- The top number of a fraction is called the **numerator.** This is the number of 'parts' of an item that you have.
- The bottom number of a fraction is called the **denominator** (think "d" for down). This is the total number of 'parts' an item is divided into.
- Fractions are said by saying the numerator first, then the denominator with a "-th" at the end. For example, 1/4 would be said "one fourth". Some exceptions include 1/3 ("one third") or 1/2 ("one half").

$0/4 = 0$

$1/4$

$2/4 = 1/2$

$3/4$

$4/4 = 1$

$0/5 = 0$

$1/5$

$?$

$0/6 = 0$

$1/6$

$2/6 = 1/3$

$3/6 = 1/2$

$4/6 = 2/3$

$5/6$

$6/6 = 1$

$0/8 = 0$

$1/8$

$2/8 = 1/4$

$?$

How many parts are in this rectangle? In a fraction, how many of those parts are green? Red?
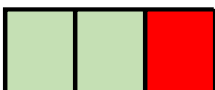
Let's Practice!

In a fraction, how much of this circle is purple? If we divide the circle into smaller parts, does the fraction of purple change?