

Get to Zero with Fractions

17

Materials:

A game for 2 players



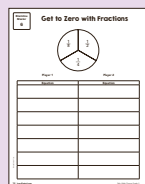
Number Cubes
(1)



Cuisenaire Rods



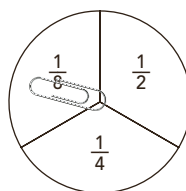
Paper Clip



Blackline Master #6
(1 per pair)

What to do:

1. Players begins with the number 4 and show it with 4 brown Cuisenaire Rods.
2. Player 1 spins the spinner and rolls 1 Number Cube. The Number Cube tells the player how many of the spinner's fractions to subtract from 4. Player uses the rods to show the equation and records it.
3. Players take turns and subtract the fractions from the previous difference until they reach zero. The first player to get to or go below zero earns a point.
4. The winner is the first player to earn 10 points.



2

Player 1

Record Equation

$$4 - \frac{2}{8} = 3\frac{6}{8} = 3\frac{3}{4}$$



What strategies did you use to subtract fractions?

Smaller and Smaller

38

Materials:

An activity for 2 players



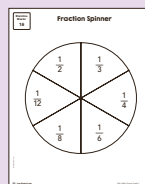
Cuisenaire Rods



Number Cubes
(1)



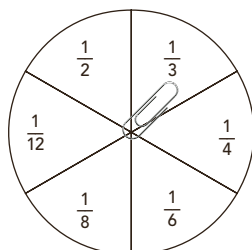
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Blackline Master #16
(1 per pair)

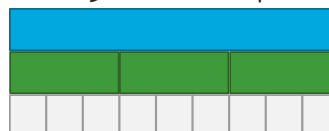
What to do:

1. Player 1 spins the spinner for a unit fraction dividend, then rolls the Number Cube for a whole number divisor. If a 1 is rolled, roll again until you get a number other than 1. Player 1 writes the equation on a sheet of paper, then models the problem to find the quotient with Cuisenaire Rods or a picture.
2. Player 2 repeats step 1. Take turns and play 6 rounds.
3. The winner has the greater sum of quotients.



3

$$\frac{1}{3} \div 3 = \frac{1}{9}$$



Were you always able to use the Cuisenaire Rods to find the quotient? Explain.