

TEKS No Prep Games

UNIT FRACTION Bump

You will need 2 sets of chips

Directions: Spin the spinners to find your fraction, which may be an improper fraction. You may cover a circle equal to the fraction rolled. Alternate turns with your partner. If your partner rolls a fraction that names a circle you have covered, she may bump you off. If you roll a fraction that names a circle you have covered, you may add another chip and roll that circle. Once you lock a circle, your chips can never be bumped off. Play until all circles are full. The winner is the player who controls most circles.



$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$
 $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$
 $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$
 $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$
 $\frac{1}{5} + \frac{1}{5}$
 $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

3 4 5
 2 4 5

4TH
GRADE

11 Fun & Engaging Games

Your students will love playing



ESTIMATE YOUR TREASURE ^{4.3F}

Ahoy, matey! Six of your pirate friends have found some great treasure. Spin the spinner to find the problem you will solve and roll the dice to see which pirate(s) the problem is about. Solve the problem and have your partner check your answer using the key. If you are correct, move one space on the game board. Alternate turns until one player reaches the treasure chest to win the game!



Estimate by benchmarking fractions to 0 , $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ or 1

Pirate	Weight of Gold Coins (lbs.)
Blackbeard	$6\frac{3}{7}$
William Kidd	$2\frac{1}{3}$
Henry Morgan	$4\frac{9}{10}$
Calico Jack	$5\frac{1}{4}$
Anne Bonny	$6\frac{1}{2}$
Mary Read	$4\frac{1}{8}$

About how many pounds of gold coins did find in all?

About how many more pounds of gold coins did find than ?

You may need to switch the order of the pirates, so the greater amount is first.

How many pounds of gold will have after paying $\frac{2}{4}$ lbs. of gold for a new parrot?

found another pounds of gold. About how many pounds does he/she have now?

Just Print and Play

No cutting needed

SIMPLIFY Fractions

TO Find Equivalent Fractions

You will need 2 chips, 3 spinners, & a dry erase marker

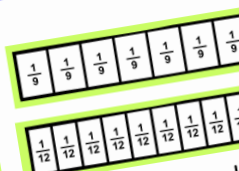
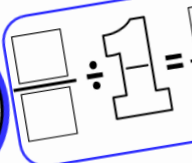
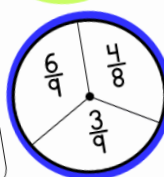
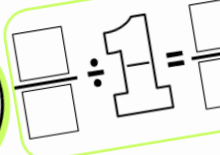
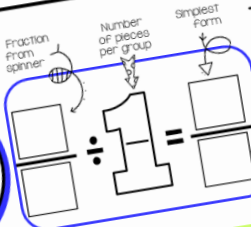
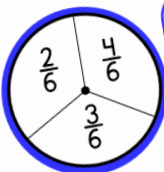
Directions: Spin the spinners to find three fractions. Use the Fraction Bars to help you simplify each fraction. Show how to simplify the fraction using division. Move one fraction for each fraction you were able to correctly simplify. Move an additional space if any of the fractions were equivalent. Move two spaces if all 3 fractions were equivalent.

Example: If you were to spin $\frac{6}{12}$, $\frac{4}{12}$, & $\frac{8}{12}$:

Shade in $\frac{6}{12}$ on the Fraction bar below. Consider how to equally group the pieces into the smallest group the pieces into. You can put two $\frac{1}{6}$ pieces in each group.

3 of the 4 groups are shaded.

Fraction from spinner: $\frac{6}{12} \div \frac{2}{2} = \frac{3}{4}$



SIMPLIFY Fractions

TO Find Equivalent Fractions

Start

Move forward 1 space.
If you land on a robot.

Winner

Keys for Every Game

Make these perfect for self-checking math stations

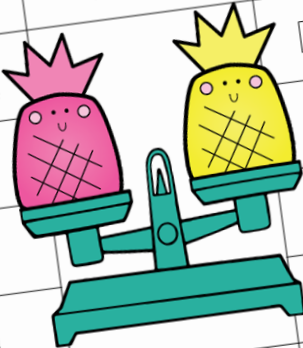
Compare FRACTIONS

You will need: 2 markers or 2 sets of chips, 1 die

Directions: Roll the die to see what fraction you will use. Find an empty box that your fraction could be placed into to make the comparison or statement true. Have your partner check your work with the key. If you are correct, color that square (or place a chip on top of it). Take turns with your partner. The first player to color 3 boxes that touch along any side wins!

 $\frac{1}{3}$	 $\frac{4}{9}$	 $\frac{3}{7}$	 $\frac{5}{10}$	 $\frac{6}{8}$	 $\frac{4}{6}$
---	---	---	--	---	---

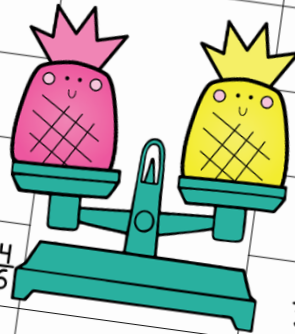
$\square > \frac{4}{7}$	$\frac{3}{10} < \square$	$\frac{1}{9} < \square < \frac{2}{3}$
$\frac{1}{2} < \square < \frac{9}{10}$	$\square < \frac{4}{8}$	$\square = \frac{1}{2}$
$\frac{4}{8} < \square$	$\frac{1}{2} > \square > \frac{1}{8}$	$\frac{4}{7} > \square$
$\square < \frac{1}{2}$	$\frac{1}{3} < \square$	$\frac{1}{2} < \square$
$\frac{6}{10} < \square$	$\frac{3}{9} = \square$	



Compare FRACTIONS

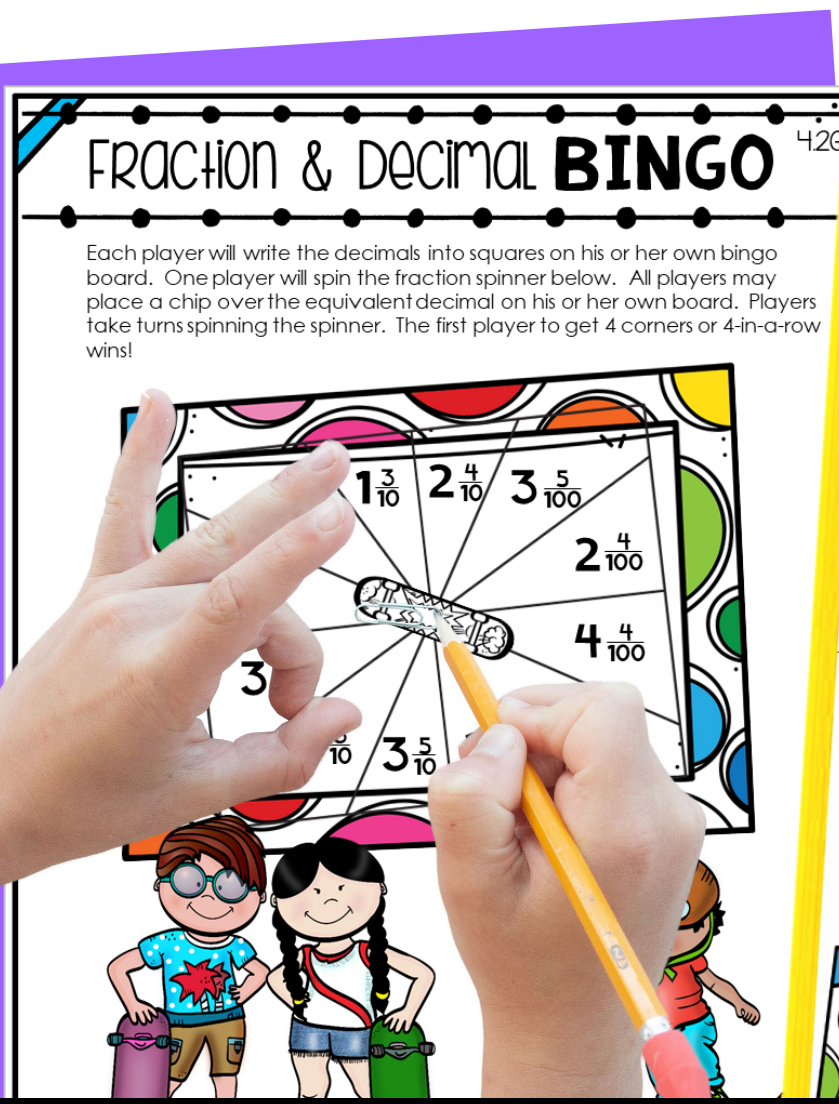
KEY

$\frac{5}{10}$ $\frac{4}{6}$ $\frac{6}{8}$	$\frac{1}{3}$ $\frac{4}{9}$ $\frac{3}{7}$ $\frac{5}{10}$ $\frac{6}{8}$ $\frac{4}{6}$	$\frac{1}{3}$ $\frac{4}{9}$ $\frac{3}{7}$ $\frac{5}{10}$
$\frac{6}{8}$ $\frac{4}{6}$	$\frac{1}{3}$ $\frac{4}{9}$ $\frac{3}{7}$	$\frac{5}{10}$
$\frac{1}{3}$ $\frac{4}{9}$ $\frac{3}{7}$	$\frac{1}{3}$ $\frac{4}{9}$ $\frac{3}{7}$	$\frac{5}{10}$
$\frac{3}{7}$ $\frac{5}{10}$ $\frac{6}{8}$ $\frac{4}{6}$	$\frac{1}{3}$ $\frac{4}{9}$ $\frac{3}{7}$	$\frac{5}{10}$
$\frac{6}{8}$ $\frac{4}{6}$	$\frac{1}{3}$	$\frac{6}{8}$ $\frac{4}{6}$



Meaningful Practice

Every game practices important skills. In this game students think about related fractions and decimals.



Color and Blackline Versions

For every game

Equivalent Fraction BOWLING

4.3C

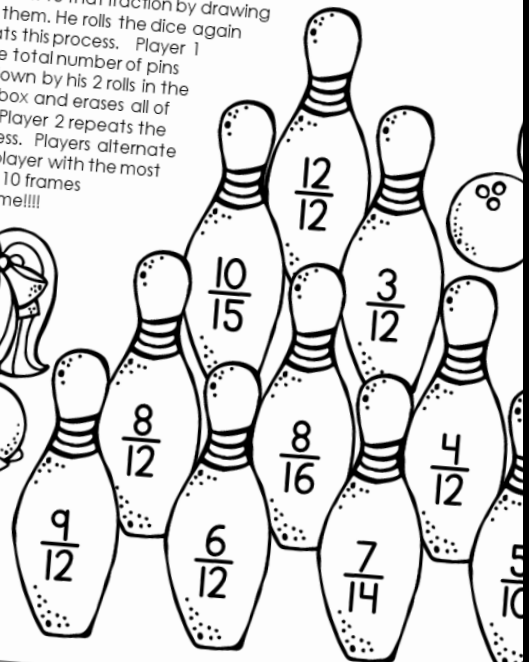
Player 1 rolls 2 dice and uses the smaller number as the numerator and larger number as the denominator. If a 5 is rolled, roll again. He may 'knock down' all pins that are equivalent to that fraction by drawing an "X" on them. He rolls the dice again and repeats this process. Player 1 records the total number of pins knocked down by his 2 rolls in the "Frame 1" box and erases all of the "X's". Player 2 repeats the same process. Players alternate turns. The player with the most points after 10 frames wins the game!!!!



FRAME	1	2	3	4	5	6	7	8	9	10
PLAYER 1										
PLAYER 2										

Equivalent Fraction BOW

Player 1 rolls 2 dice and uses the smaller number as the numerator and larger number as the denominator. If a 5 is rolled, roll again. He may 'knock down' all pins that are equivalent to that fraction by drawing an "X" on them. He rolls the dice again and repeats this process. Player 1 records the total number of pins knocked down by his 2 rolls in the "Frame 1" box and erases all of the "X's". Player 2 repeats the same process. Players alternate turns. The player with the most points after 10 frames wins the game!!!!



	1	2	3	4	5	6	7	8
PLAYER								

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PLAYER

About the Author

This resource was created by Melissa Johnson, who has 16 years of k-10 teaching experience and a masters degree in Mathematics Education. Her resources build conceptual understanding, make connections between math topics and engage students in the mathematics they are learning.



MARVEL Math