

Fraction Fun

Leader



Use fractional parts of a whole and recognizing relative sizes and equivalent fractions.



You will need:

GAME I: (see Materials Page)

- Spinner I
- A full undivided rectangle to use as a gamecard
- Game pieces as follows:
 - two $\frac{1}{2}$ size pieces
 - four $\frac{1}{4}$ size pieces
 - eight $\frac{1}{8}$ size pieces
 - sixteen $\frac{1}{16}$ size pieces
- A paper clip
- Scissors
- An envelope to hold all the game pieces



GAME II: (see Materials Page)

- Spinner II
- A gamecard (undivided rectangle)
- Game pieces follows:
 - three $\frac{1}{3}$ size pieces
 - six $\frac{1}{6}$ size pieces
 - twelve $\frac{1}{12}$ size pieces



Do this:

- Either cut out all of the game pieces ahead of time
or
- Have the students cut them out. If you do this, be sure to give them plenty of time.
- Each player needs all of the game pieces, But the game pieces for each game should be kept in separate envelopes.



Adapted from:

- Stenmark, J., V. Thompson, R. Cossey. *Family Math*. Regents, University of Ca, 1986.
- *Math Matters*: Home Helpers, The National PTA, 1988.

Student _____



Do this:

Use the spinner on the guide sheet like this:

- Put a paper clip flat on the dot in the center where all the lines intersect or cross and put your pencil point on the center.
- Hold the pencil straight up and spin the paper clip.

GAME I:

- Give each player a gamecard and all of the $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, and $\frac{1}{16}$ game pieces.
- Each player spins and covers the space on the gamecard with the fraction that the paper clip stops on. If the spinner paper clip stops on $\frac{1}{4}$, a player would cover $\frac{1}{4}$ of the blank gamecard with fraction cutout. A $\frac{1}{4}$ piece could be used, or two $\frac{1}{8}$ pieces or four $\frac{1}{16}$ pieces.
- The first player to cover his or her gamecard exactly wins.

GAME II:

- Repeat the game with a spinner showing six equal parts.
- Use all the rectangle cutouts labeled $\frac{1}{3}$, $\frac{1}{6}$, and $\frac{1}{12}$.



Can you create a subtraction game with these fraction game kits?

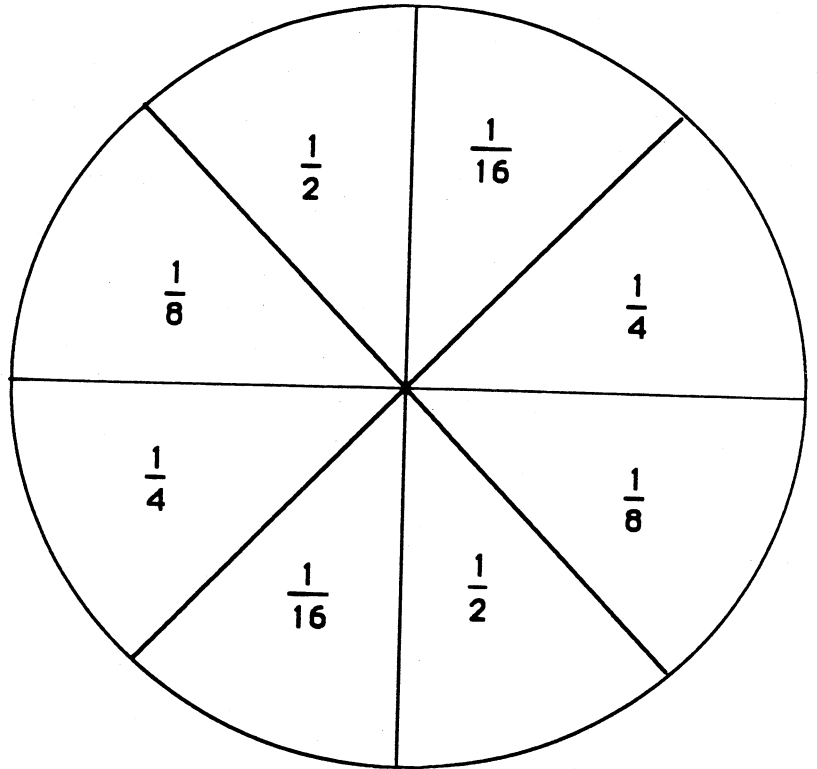


WHAT I FOUND

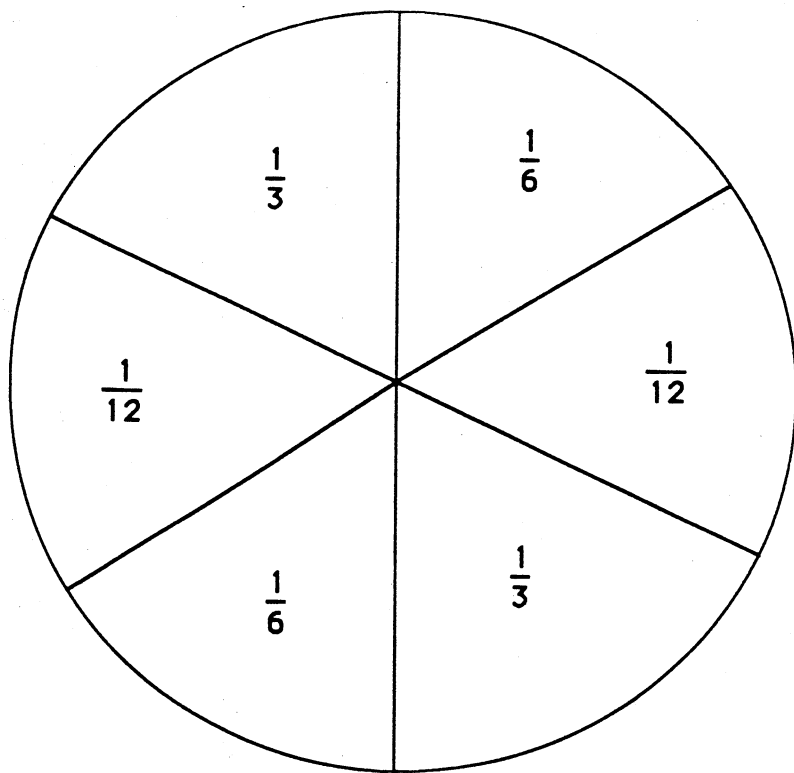
Fraction Fun

Materials Page

Spinner I

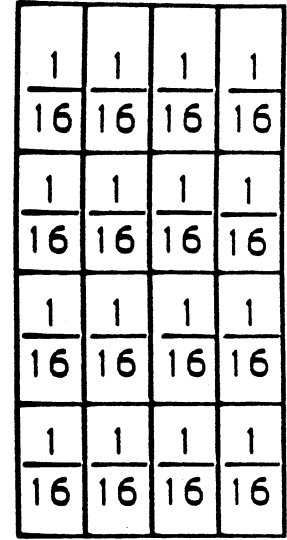
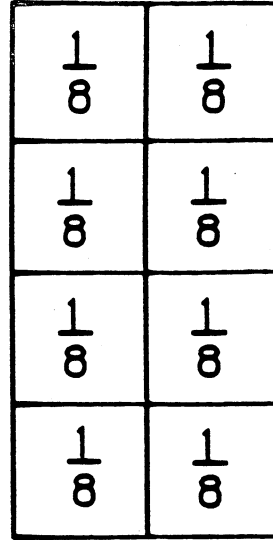
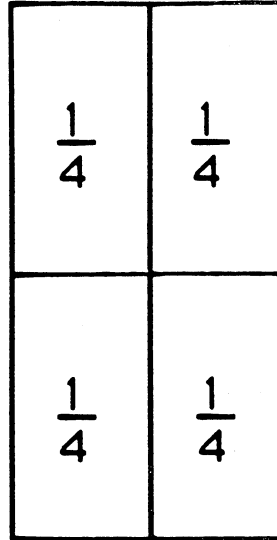
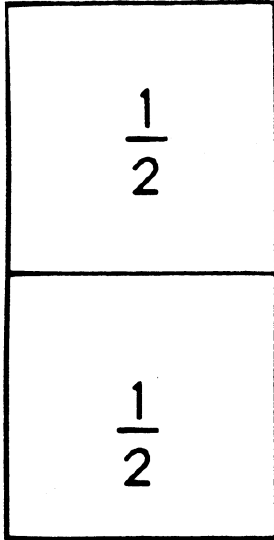


Spinner II

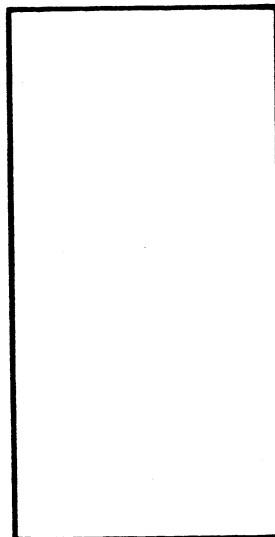


Fraction Fun

Game Pieces (To be cut apart for Game I)



Game Card



Use an envelope to store all cutout Game I pieces and the cutout game card. Use a separate envelope for the Game II pieces.

Fraction Fun

Game Pieces (To be cut apart for Game II)

$\frac{1}{3}$
$\frac{1}{3}$
$\frac{1}{3}$

$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{6}$	$\frac{1}{6}$

$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

Game Card

