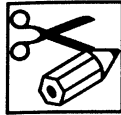


## Squirming Squares

Leader



Having developed the concepts of fraction notation and fractional equivalents, a youngster will enjoy this activity as a practice game. It is excellent for review and practice.



You will need:

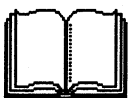
- A game sheet
- A pair of scissors



Do this:

Alone, or with a co-player, this activity requires that we find equivalent fractions, place them together, and then shift them into other positions in the strategies needed to complete the game.

- Either cut up the square ahead of time,  
or  
Have the students cut them up before starting the game.
- The object of the game is to put the square back together, so that the edges on the little square have equal fractions touching (e.g.,  $\frac{6}{8}$  and  $\frac{3}{4}$ ).
- The leader is needed for “stand-by” help only.



Immerzeel, George, and Bob Wills, compilers. “Ideas,” *Arithmetic Teacher*. NTCM, 1979:9.

# Squirring Squares

Student \_\_\_\_\_



Do this:

- Cut out the squares.
- Fit the little squares together to make a big square, so that the edges that touch are equal fractions.

$\frac{2}{4}$	2	$\frac{7}{10}$	
1	$\frac{4}{12}$ $\frac{2}{10}$	$\frac{1}{8}$	$\frac{3}{7}$ $\frac{2}{3}$
$\frac{1}{7}$	$\frac{3}{2}$		$\frac{1}{4}$
	$\frac{5}{3}$	$\frac{2}{14}$	$\frac{1}{3}$
$\frac{2}{12}$	$\frac{8}{10}$ $\frac{3}{3}$ $\frac{2}{16}$	$\frac{5}{8}$ $\frac{1}{2}$	
$\frac{3}{5}$	$\frac{3}{6}$	$\frac{3}{4}$	
$\frac{6}{16}$	$\frac{6}{8}$	$\frac{10}{12}$	$1\frac{1}{2}$
$\frac{10}{16}$	$\frac{3}{10}$ $\frac{12}{24}$	$\frac{1}{5}$ $\frac{6}{14}$	.3
$\frac{2}{6}$		.7	
	$\frac{2}{8}$		$\frac{6}{10}$
$\frac{4}{6}$ $\frac{0}{2}$	$\frac{4}{5}$ 0	$\frac{1}{6}$ $\frac{1}{3}$	
$\frac{2}{3}$	$\frac{5}{6}$	$\frac{1}{2}$	$\frac{3}{8}$



WHAT I FOUND

# Squirring Squares

Materials Page

$\frac{2}{4}$ $\frac{1}{7}$	$2$ $\frac{2}{3}$	$\frac{7}{10}$ $\frac{1}{8}$	$\frac{3}{7}$ $\frac{1}{4}$
$1$ $\frac{4}{12}$ $\frac{2}{10}$	$\frac{5}{3}$ $\frac{3}{6}$	$\frac{2}{14}$ $\frac{3}{4}$	$\frac{2}{3}$ $\frac{1}{3}$
$\frac{2}{12}$ $\frac{3}{6}$	$\frac{8}{10}$ $\frac{6}{6}$	$\frac{3}{3}$ $\frac{10}{12}$	$\frac{5}{8}$ $\frac{1}{2}$ $\frac{1}{2}$
$\frac{10}{16}$ $\frac{2}{6}$	$\frac{3}{10}$ $\frac{6}{8}$	$\frac{12}{24}$ $.7$	$\frac{1}{5}$ $\frac{6}{14}$ $\frac{1}{2}$
$\frac{6}{4}$ $\frac{2}{3}$	$\frac{2}{8}$ $\frac{5}{5}$	$0$ $\frac{1}{2}$	$\frac{6}{10}$ $\frac{1}{6}$ $\frac{1}{3}$ $\frac{3}{8}$