Fraction Cards

The following pages contain templates for making fraction cards. All fractions between 0 and 1 inclusive, with denominators 2 through 10 are present. The pages are separated into several types: fraction, percent, decimal, picture(rectangle) and picture(circle). It is suggested that the various types be copied onto different colours of card stock and then cut out. So, for example, the blue cards would be in fractional form, red would be circle pictures, etc.

Some uses for the cards:

1. **Picking Groups.** You can create random groups of up to 5 by using identical cards of several types, passing them out and having the students find the people with identical numbers, and form a group. You could also throw in equivalent fractions as well so the $\frac{2}{3}$'s, $\frac{4}{6}$'s and $\frac{6}{9}$'s would be together. Note that for the decimal and percentage cards there are no repeats for equivalent fractions.

2. **Fraction Memory.** Gather a group of equivalent cards, shuffle and place face down. The first person turns 2 cards up. If they are the same, they take them and go again. If they are not the same, they are left face up and the next player turns **one** card over. If there is a match some where, the cards are taken off, and the player goes again. (Note if no cards are face up a player turns 2 up, if some are face up, they turn one up). You can make it harder by playing like real memory and turning over cards 2 at a time and if they don't match, you turn them back.

3. **Fraction Fish.** Shuffle the whole deck and players are dealt 5 cards each. Identical (or equivalent, you can play either way) cards are put aside in pairs. Then you play as you would the card game fish. Each player asks the other player for a specific fraction, and if the other player has it *in any form* they hand it over and the player goes again. If they don't have the desired fraction, they say "go fish" and the player draws a card from the deck. The first player to get rid of all their cards wins.

4. **Closest to One.** Players pick 5 cards from the deck and using their fractions and addition, subtraction, multiplication and division, try to make an expression that is closest to one. You can have many variations: all cards must be used, players can play 2 or more cards, could use only addition, or use subtraction and try to get closest to zero.

$\frac{0}{2}$	$\frac{1}{2}$
$\frac{2}{2}$	$\frac{0}{3}$
$\frac{2}{3}$	$\frac{3}{3}$
$\frac{3}{3}$	$\frac{0}{4}$
$\frac{1}{4}$	$\frac{2}{4}$
$\frac{3}{4}$	$\frac{4}{4}$

$\frac{0}{5}$	$\frac{1}{5}$
$\frac{2}{5}$	$\frac{3}{5}$
$\frac{4}{5}$	$\frac{5}{5}$
$\frac{0}{6}$	$\frac{1}{6}$
$\frac{2}{6}$	$\frac{3}{6}$
$\frac{4}{6}$	$\frac{5}{6}$

$\frac{6}{6}$	$\frac{0}{7}$
$\frac{1}{7}$	$\frac{2}{7}$
$\frac{3}{7}$	$\frac{4}{7}$
$\frac{5}{7}$	$\frac{6}{7}$
$\frac{7}{7}$	$\frac{0}{8}$
$\frac{1}{8}$	$\frac{2}{8}$

$\frac{3}{8}$	$\frac{4}{8}$
$\frac{5}{8}$	$\frac{6}{8}$
$\frac{7}{8}$	$\frac{8}{8}$
$\frac{0}{9}$	$\frac{1}{9}$
$\frac{2}{9}$	$\frac{3}{9}$
$\frac{4}{9}$	$\frac{5}{9}$

$\frac{6}{8}$	$\frac{7}{9}$
$\frac{8}{9}$	$\frac{9}{9}$
$\frac{0}{10}$	$\frac{1}{10}$
$\frac{2}{10}$	$\frac{3}{10}$
$\frac{4}{10}$	$\frac{5}{10}$
$\frac{6}{10}$	$\frac{7}{10}$

$\frac{8}{10}$	$\frac{9}{10}$
$\frac{10}{10}$	

10%	20%
25%	30%
40%	50%
60%	70%
75%	80%
90%	100%

0%	$33\frac{1}{3}\%$
$66\frac{2}{3}\%$	$16\frac{2}{3}\%$
$83\frac{1}{3}\%$	$14\frac{2}{7}\%$
$28\frac{4}{7}\%$	$42\frac{6}{7}\%$
$57\frac{1}{7}\%$	$71\frac{3}{7}\%$
$85\frac{5}{7}\%$	$11\frac{1}{9}\%$

$22\frac{2}{9}\%$	$44\frac{4}{9}\%$
$55\frac{5}{9}\%$	$77\frac{7}{9}\%$
$88\frac{8}{9}\%$	

0	0.5
1	$0.3333\cdots = 0.\overline{3}$
$0.6666\cdots = 0.\overline{6}$	0.25
0.75	0.2
0.4	0.6
0.8	$0.1666\cdots = 0.1\overline{6}$

$0.8333\cdots = 0.8\overline{3}$	$0.14285714\cdots = 0.\overline{142857}$
$0.28571428\cdots = 0.\overline{285714}$	$0.42857142\cdots = 0.\overline{428571}$
$0.57142857\cdots = 0.\overline{571428}$	$0.71428571\cdots = 0.\overline{714285}$
$0.85714285\cdots = 0.\overline{857142}$	0.125
0.375	0.625
0.875	$0.1111\cdots = 0.\overline{1}$

$0.2222\cdots = 0.\overline{2}$	$0.4444\cdots = 0.\overline{4}$
$0.5555\cdots = 0.\overline{5}$	$0.7777\cdots = 0.\overline{7}$
$0.8888\cdots = 0.\overline{8}$	0.1
0.3	0.7
0.9