

Fraction/Decimal Concentration

Materials 1 set of *Fraction/Decimal Concentration Cards*
(*Math Masters*, pp. G32–G33)

1 calculator

Players 2 or 3

Skill Recognizing fractions and decimals that are equivalent

Object of the Game To collect the most cards by matching equivalent fraction and decimal cards.

Directions

Advance Preparation: Before beginning the game, cut out the cards and write the letter “F” on the back of each fraction card. Write the letter “D” on the back of each decimal card.

- 1 Create two separate sets of cards—a fraction set and a decimal set. Mix up the cards in each set and lay each set out separately, number-side down, so the “D” or “F” side is showing. Each set should be in 4 rows of 5 cards each.
- 2 Players take turns. On each turn, a player turns over both a fraction card and a decimal card. If the fraction and decimal are equivalent, the player keeps the cards. If the fraction and decimal are not equivalent, the player turns the cards back over so they are number-side down.
- 3 Players may use a calculator to check each other’s matches.
- 4 The game ends when all of the cards have been taken. The player with the most cards wins.

Fraction/Decimal Concentration Cards

$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	0.1	0.2	0.3	0.4
$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	0.5	0.6	0.7	0.8
$\frac{9}{10}$	$\frac{10}{10}$	$\frac{1}{100}$	$\frac{2}{100}$	0.9	1.0	0.01	0.02
$\frac{3}{100}$	$\frac{4}{100}$	$\frac{5}{100}$	$\frac{6}{100}$	0.03	0.04	0.05	0.06
$\frac{7}{100}$	$\frac{8}{100}$	$\frac{9}{100}$	$\frac{100}{100}$	0.07	0.08	0.09	1.00

Variation

Fraction Concentration: Create your own set of cards that are all fractions, so that each fraction card has exactly one equivalent fraction to match it.

For example, $\frac{3}{5}$ and $\frac{6}{10}$ would be a match.

Fraction/Decimal Concentration Cards



NAME

DATE

TIME

$$\frac{1}{10}$$

$$\frac{2}{10}$$

$$\frac{3}{10}$$

$$\frac{4}{10}$$

$$\frac{5}{10}$$

$$\frac{6}{10}$$

$$\frac{7}{10}$$

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

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

$$\frac{10}{10}$$

$$\frac{1}{100}$$

$$\frac{2}{100}$$

$$\frac{3}{100}$$

$$\frac{4}{100}$$

$$\frac{5}{100}$$

$$\frac{6}{100}$$

$$\frac{7}{100}$$

$$\frac{8}{100}$$

$$\frac{9}{100}$$

$$\frac{100}{100}$$

Fraction/Decimal Concentration Cards

(continued)



NAME

DATE

TIME

0.1	0.2	0.3	0.4
0.5	0.6	0.7	0.8
0.9	1.0	0.01	0.02
0.03	0.04	0.05	0.06
0.07	0.08	0.09	1.00

A Flat



NAME

DATE

TIME
