

Percent Tiles

Object: to collect the greatest number of cards

Materials needed: *Percent Tiles* cards for each group, heavy paper or cardboard to make tiles

Number of players: 2–4

Teacher Preparation

For each group, make 100 tiles out of cardboard or heavy paper and mark each with a digit from 0 through 9 (10 of each), and print out a set of cards.

Game Play

• **Playing the game**

The numbered tiles are put in a bag or laid face down on the table. Each player draws a tile, and the player with the highest number goes first. The players then take turns, going clockwise.

Each player draws seven tiles. Four cards are placed face up in the center of the table, and the remaining cards are placed face down beside them.

Player 1 can collect a card, trade in some or all of the tiles, or pass. To collect a card, a player uses numbered tiles to correctly complete the statement on the card. The tiles can be used to form 1-, 2-, or 3-digit numbers. For example, a player could collect the card "25% of ___ is ___" using the tiles **1**, **2**, and **3** by making the statement "25% of **12** is **3**." After a card is collected, it is replaced with one of the face-down cards. The tiles used to collect a card are kept with the card. Player 1 then draws as many tiles as needed to replace the tiles used.

• **Winning the game**

Play continues until all of the tiles are used or until players cannot collect any more cards with the remaining tiles. The winner is the player who has the most cards.

_____ is

$66\frac{2}{3}\%$

of _____

_____ is

60%

of _____

_____ %

of _____

is 8

9

is _____ %

of _____

2

is _____ %

of _____

25%

of _____

is _____

_____ %

of 24

is _____

80%

of _____

is _____

40%

of _____

is _____

75%

of _____

is _____

7

is _____ %

of _____

_____ is

$16\frac{2}{3}\%$

of _____

5

is _____ **%**

of _____

6

is _____ **%**

of _____

_____ **%**

of 12

is _____

_____ **%**

of 8

is _____

_____ **is**

_____ **%**

of 64

$33\frac{1}{3}\%$

of _____

is _____

$8\frac{10}{3}\%$

of _____

is _____

is

%

of 20

is

10%

of _____

is

125%

of _____

is

50%

of _____

%

of _____

is 3

_____ %

of _____

is 4

_____ %

of _____

is 12

_____ %

of 60

is _____

_____ %

of 35

is _____

200%

of _____

is _____

_____ **is**

_____ %

of 50

_____ is
_____ %
of 80

20%
of _____
is _____

_____ is
12.5%
of _____

_____ is
_____ %
of 36

_____ %
of _____
is 15

