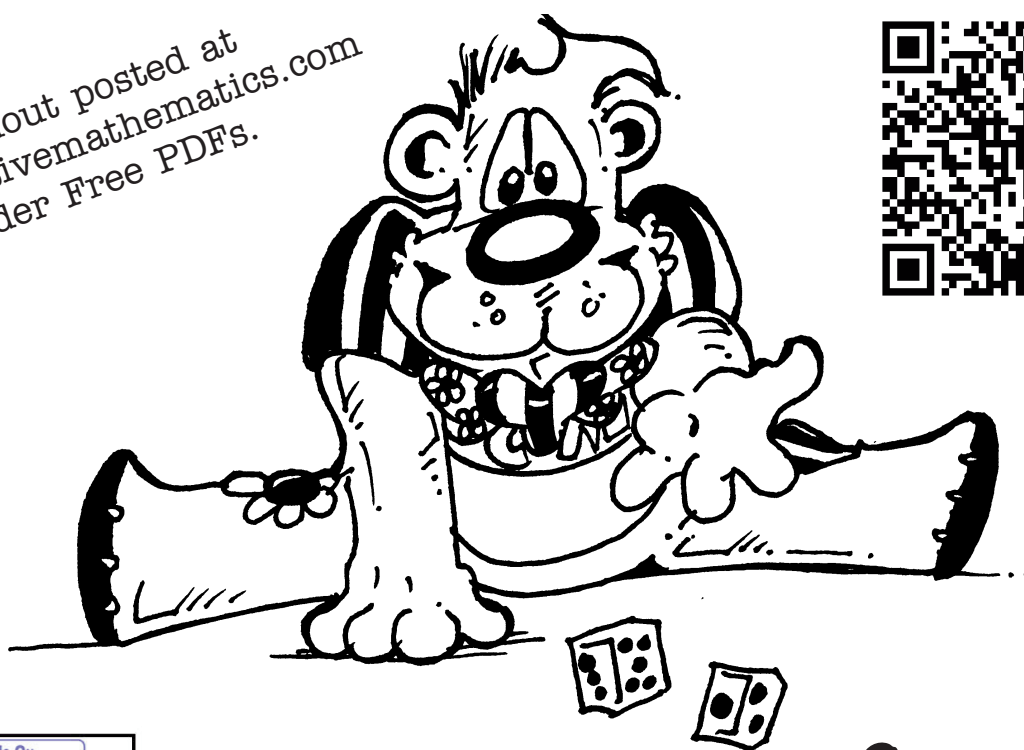


Can't Stop the Feeling for Place Value! Let's Do This!

Handout posted at
www.creativemathematics.com
under Free PDFs.



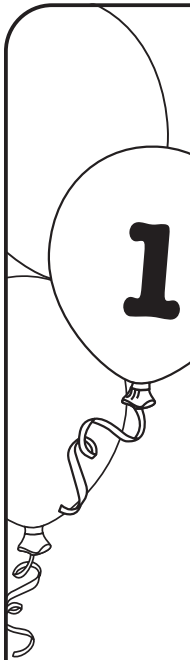
Grades K-6

Kim Sutton
Creative Mathematics

4001 West End Road
Arcata, CA 95521
1-800-841-5193

kim@creativemathematics.com

www.creativemathematics.com



Digit Cards

1

4

9

3

8

2

7

1

6

0

5



2

2

Aerobic Place Value

3 Step Process

Picture

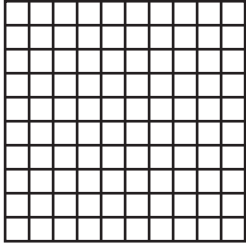
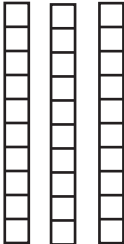
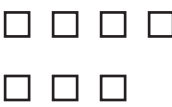
Expanded Notation (form)

Standardized Notation (form)

4

Difficult Transitions

1. Show the number:

hundreds	tens	ones
		

2. Ask the value questions:

- “How many ones, tens, hundreds?”
- Reinforce “_____ groups of _____” visually

3. Repeat “over and over” the important visuals:




64

- Aerobic Place Value Cards
- Place Value Pockets

16

Place Value Odometer

1

100 hundreds	10 tens	1 ones
<p>-----</p> <p>Cut slit on dotted lines</p> <p>-----</p> 	<p>-----</p> <p>Cut slit on dotted lines</p> <p>-----</p> 	<p>-----</p> <p>Cut slit on dotted lines</p> <p>-----</p> 

32

2

Constructing A Place Value Odometer

(Cut out strips and insert through and tape ends together.)

0 9 8 7 6 5 4 3 2 1

0 9 8 7 6 5 4 3 2 1

0 9 8 7 6 5 4 3 2 1

0 9 8 7 6 5 4 3 2 1

0 9 8 7 6 5 4 3 2 1



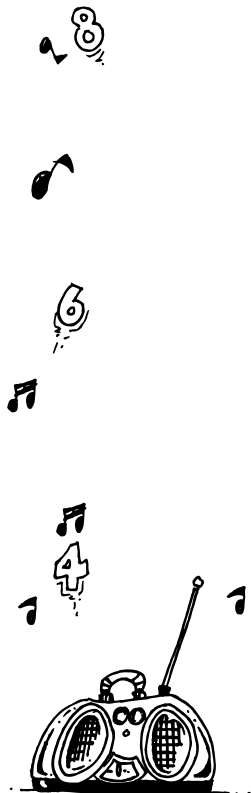
Place Value Rap

by
Ron Brown
Math Concepts I and II

Hold up your hands.
And look down your nose.
We're gonna look at numbers
In the place value row.

The ones are on the right.
The tens are next in line.
Move once more to the left
For the hundreds every time.

Ones, tens, hundreds!
Ones, tens, hundreds!
Ones, tens, hundreds!





Expanded notation!
Expanded notation! (Is sweeping the nation)
Expanded notation!
Expanded notation! (Is sweeping the nation)
Expanded notation!

Place Value Pocket (units or ones period)

hundreds	tens	ones



[illegible]

Math Tools:

- Place Value Trail Board
- **Place Value Dice**
- Partner(s)

Mathematical Intent:

“Place Value Trail” is a motivating game of rolling numbers and writing the number in the trail. The game is over when every balloon on the trail has a number in order from least to greatest. This game will practice place value decisionmaking. Students will also get practice rolling a number in expanded form and writing the number in standardized form.

Vocabulary:

zero
one
two
three
four
five
six
seven
eight
nine
least
greatest
expanded notation
standardized notation

Ron Brown

Song Suggestions:

“Place Value Rap”

(**Math Concepts
I and II**)

“Expanded Notation”
(**Math Beats**)

Place Value Trail

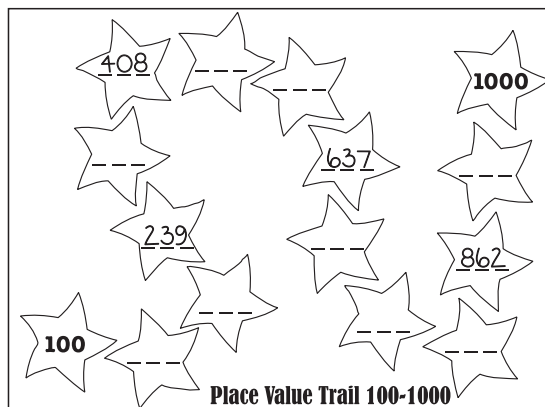
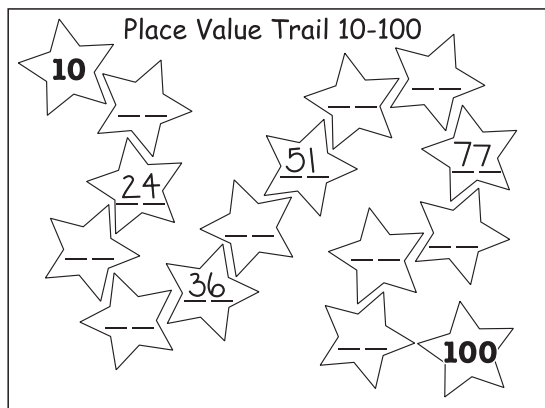
This game in any form practices sequencing of numbers and place value decisions. The gameboard has many options. The trail can begin with 10 and end with 100. A trail can begin with 100 and end with 1,000. A trail can begin with .01 and ends with 1. This is an open-ended game board.

Each student should have his/her own “Place Value Trail Board” and **Place Value Dice**. Order of play should be determined. The players will roll the selected **Place Value Dice**.

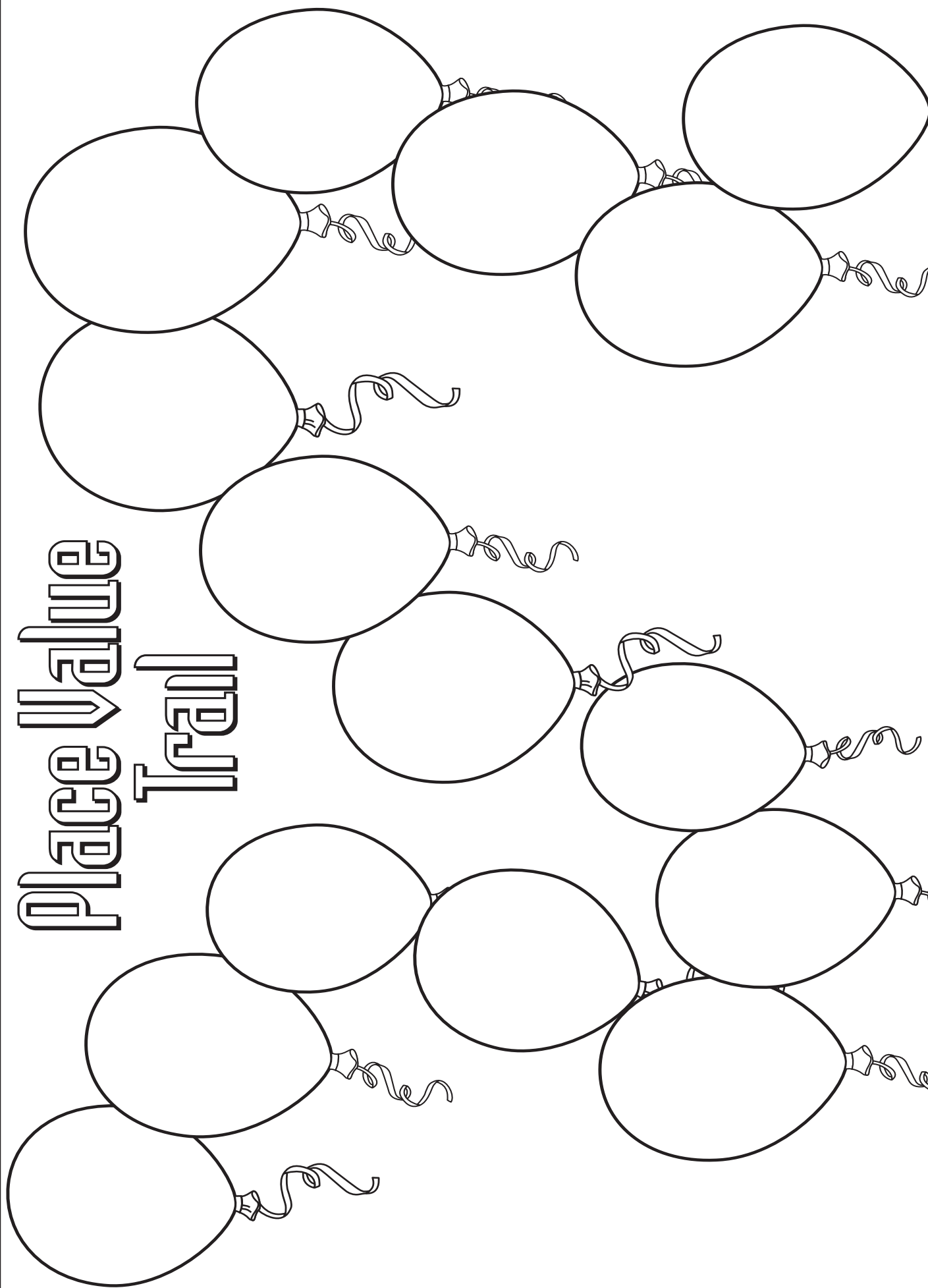
If the 10-100 Board is used, each player will roll the ones and tens dice. If the 100-1000 Board is used, each player will roll ones, tens and hundreds dice. If the .01-1 Board is used, then each player will roll tenths and hundredths dice.

When the dice are rolled, the player must decide which spot to write the number. The trail must go from the smallest number to largest number. Once a number is written in, it must stay in that spot. The first player to complete the trail with the numbers in order from least to greatest is the winner.

There is a point where a player may not be able to use the roll and would have to skip a turn.



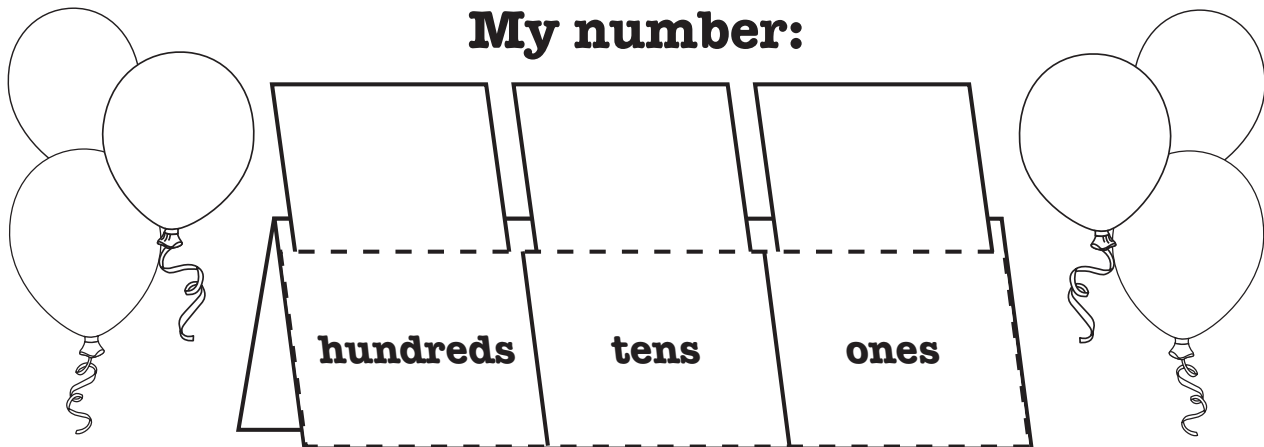
Place Value Trail



Snap It! - 3 digits

Name: _____ Date: _____

My number:



Five things I know about my number:

Rearrange the digits to make:

the smallest number: _____

the largest number: _____

an even number: _____

an odd number: _____

a number less than 200: _____

a number greater than 500: _____