

# Master Representing Numbers with 3 Decimal Places

## Task 1

Roll a number of ones, tenths, hundredths and thousandths.  
Represent the number using place value counters.

### Say the stem sentence...

There are \_\_\_ ones, \_\_\_ tenths, \_\_\_ hundredths and  
\_\_\_ thousandths. The number is \_\_. \_\_\_\_\_



## Task 4

Represent the following numbers using place value counters  
and Gattengo charts.

0.9

7.705

4.032

## Task 2

Represent the following numbers using arrow cards  
or place value charts.

1.683

9.54

3.271

## Task 5

A decimal number is represented using place value counters.



If it has 2 place holders, what can it be? What can't it be?  
If it has 3 place holders, what can it be? What can't it be?

## Task 3

2 sets of counters are positioned on the Gattengo chart.

1		3	4	5	6	7	8	9
	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0.01	0.02	0.03	0.04	0.05	0.06		0.08	0.09
0.001	0.002	0.003	0.004	0.005	0.006	0.007		0.009

The dotted lines  
show the positions  
they must remain in  
when moved.



What numbers can be represented?

## Task 6

Take 6 counters and a place value chart.



Represent a decimal number with the counters. Then,  
represent the number using a place value chart with digits.  
How many different decimal numbers can you represent?

