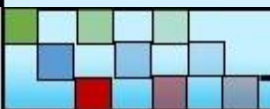


thousands	hundreds	<b>Decimal Numbers and their Names</b>	hundredths	thousandths
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*a card sort activity*



## Decimal Numbers and their Names – to Thousandths

Learning to say a number's proper name is an important step in understanding place value. When a student sees .1, it can be read it as "point 1" but does the student know what that means - that is represents "one tenth?"

This material can be used as a card sort or memory game where the decimal number is matched to the corresponding place value name (e.g. "five tenths" and ".5" are a match). The purpose is to practice saying the decimal number's name and be able to associate the words with the number.

Encourage the student to read the number as if it were a whole number and then say the decimal place value of the last (right-most) number. For example, .25 would be read as "twenty five hundredths." When adding whole numbers, remind students that the decimal point is read as "and." For example, 2.13 would be read as "two and thirteen hundredths."

### Material includes:

- Decimal place value strips with numeric values and place value names (to be used as a reference for the card sort or memory game)
- Three sets of differentiated number/name cards – each set is increasingly more challenging by adding another place value or whole numbers
  - Set 1: 15 numbers and corresponding name cards in tenths and hundredths places
  - Set 2: 15 numbers and corresponding name cards in hundredths and thousandths places
  - Set 3: 15 numbers and corresponding name cards with whole numbers and tenths, hundredths, and thousandths places
  - Two versions of each of the three sets is provided
    - black and white
    - colored – each set has a different color border
- Recording sheet
- Blank cards (a few extra cards for students to create their own number and write the names, or challenge a partner to do so)
- Answer key

### Instructions

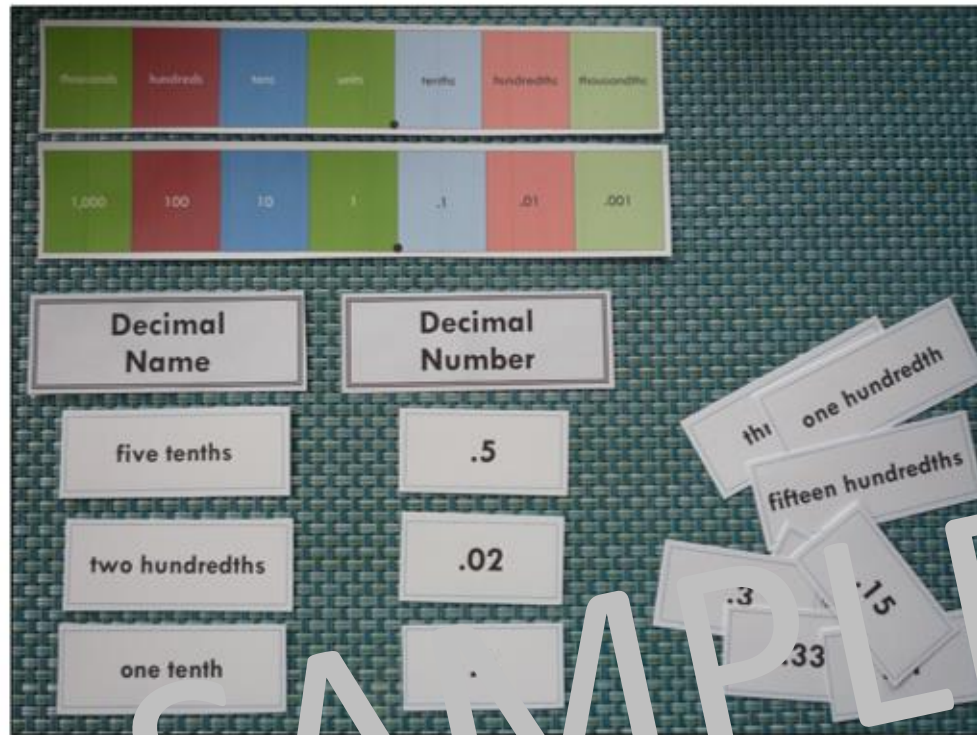
The cards can be used for one of the activities below or however you or your students imagine! It is recommended that the cards be printed\*\* on cardstock and then laminated before use.

**\*\*Note: These cards are intended to be printed in landscape mode. Please make sure to set your printer settings accordingly.**

### Card Sort (for review or assessment)

1. Set out each column header card (Decimal Name, Decimal Number).
2. Sort the remaining cards under the appropriate column label, with the number next to the matching name.
3. Check the work using the included answer key (last page of the document).
4. Record the information in a math journal, or the included recording sheet, if desired.

### Using the materials for the card sort activity



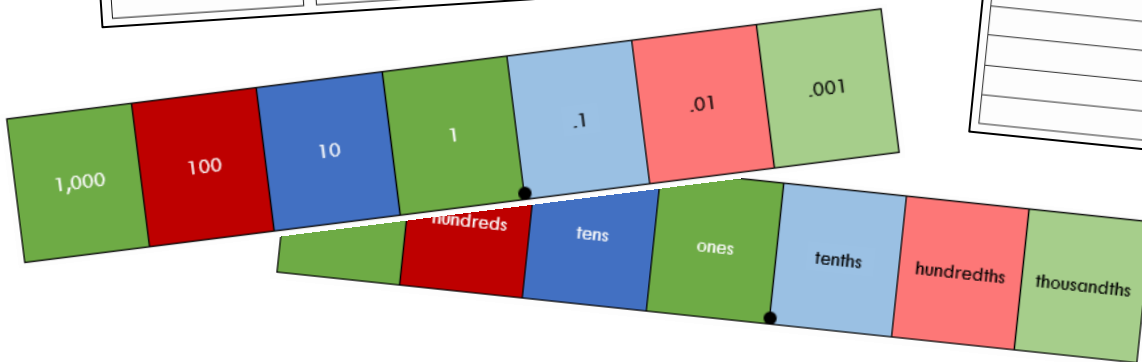
### Memory Game

1. Choose ahead of time which cards you want as part of the activity (one, two, or three sets). All categories of cards may be used, or a subset, depending on which place values you want to be your students' focus. The children can then complete steps 2-5.
2. Make two piles of cards – one with number values, the other with the matching decimal place value names.
3. Turn all cards upside down, making sure to keep the number cards on one side of the playing area in their own rows, and the place value name cards across from the number cards.
4. Turn over one card from each side. If the number value matches the name, keep the pair. If not, turn over and the next player goes.
5. Continue until all pairs are matched.

one hundred one thousandths	one hundred twenty-five thousandths	ninety-nine hundredths
six hundred fifteen thousandths	eighty-five thousandths	one hundred thousandths
one hundred one thousandths	one hundred twenty-five thousandths	ninety-nine hundredths
six hundred fifteen thousandths	eighty-five thousandths	one hundred eleven thousandths

.111	.047	.765	.013
.025	.015	.001	.008
.08	.002	2.56	
3.65	2.15	5.55	5.055
25.01	200.02	150.5	10.1



Answer Key

Decimal Place Value Name	Decimal Number	Decimal Place Value Name	Decimal Number	Decimal Place Value Name	Decimal Number
one tenth	.1	eight hundredths	.08	one and two hundredths	1.02
three tenths	.3	ninety-nine hundredths	.99	two and fifteen hundredths	2.15
five tenths	.5	one thousandth	.001	two and fifty-six hundredths	2.56
one hundredth	.01	eight thousandths	.008	three and sixty-five hundredths	3.65
two hundredths	.02	thirteen thousandths	.013	four and seventy-five thousandths	4.075
nine hundredths	.09	fifteen thousandths	.015	five and fifty-five thousandths	5.055
twelve hundredths	.12	twenty-five thousandths	.025	five and fifty-five hundredths	5.55
fifteen hundredths	.15	forty-seven thousandths	.047	seven and seven thousandths	7.007
sixteen hundredths	.16	eight thousandths	.008	nine and one thousandth	9.001
twenty hundredths	.20	one hundred one thousandths	.101	ten and one tenth	10.1
twenty-five hundredths	.25	one hundred ten thousandths	.11	twenty-five and one hundredth	25.01
		one hundred twenty-five thousandths	.125	one hundred fifty and five tenths	150.5

Decimal Place Value Name	Decimal Number	Decimal Place Value Name	Decimal Number



# Virtually Montessori

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Some related products include:

Decimal Place Value Mats

Equivalent Fractions with Hundredths: Samples, Booklet, and Blanks

If you have any questions,  
please email [info@virtuallymontessori.com](mailto:info@virtuallymontessori.com).