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Math 5

UNIT 2 – Place Value and Decimals

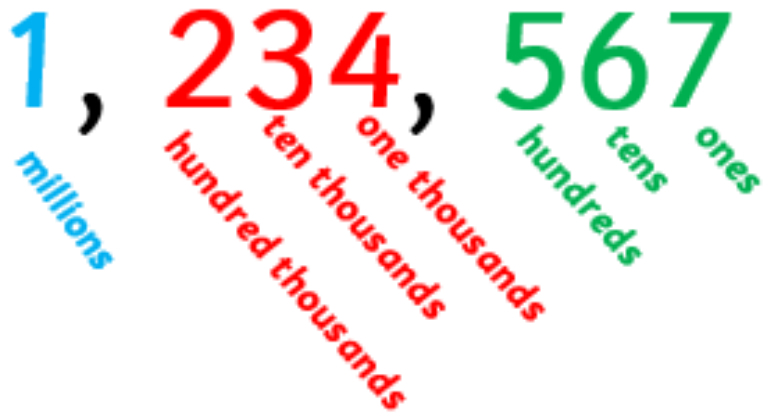
2-1 Multiplicative Patterns on the Place Value Chart

Name:		Date:	

Common Core Standards	CCSS.MATH.CONTENT.5.NBT.A.1 Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left CCSS.MATH.CONTENT.5.NBT.A.3 Read, write, and compare decimals to thousandths. CCSS.MATH.CONTENT.5.NBT.A.3.A Read and write decimals to thousandths using base-ten numerals, number names, and expanded form. *Example: 347.392 = 3 × 100 + 4 × 10 + 7 × 1 + 3 × (1/10) + 9 × (1/100) + 2 × (1/1000).*

2-1 Multiplicative Patterns on the Place Value Chart

Place Value of Numbers



Finding the place value of the underlined digit:

354, <u>8</u>32

Hundreds

<u>8</u>3, 069

Ten Thousands

Finding the value of a digit:

Find the digit's place value.

Value of digit is equal to the digit plus its place value.

Given 645208.

Place value of 2: thousands

Value: 2 thousands

Let's pair them up!

Pair these numbers up based on their underlined digits' place value.

47953	329831	8219547
786212	853203	405623

Numbers	Place Value

Which has the greater value?

Compare the values of the underlined digits using >,< or =.

1. 243<u>8</u>40 ◯ 892<u>8</u>30

2. 98<u>3</u>23 ◯ 1481<u>9</u>3

3. 83<u>4</u>976 ◯ 9<u>4</u>0239

4. 1<u>3</u>8439 ◯ 34<u>3</u>393

Place Value Charts

Create a place value chart for:

405 789

Start with the highest place value until ones.

Fill in the digits with their corresponding place value.

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
4	0	5	7	8	9

Place Value Chart with a Twist.

Complete the table by filling in the digits that correspond to the place value given.

	3489	12849	24092
Ten Thousands			
Thousands			
Hundreds			
Tens			
Ones			

ANSWER KEY

Let's pair them up!

1. 47593 and 786212

Tens

2. 329832 and 405623

Hundreds

3. 8219547 and 853203

Thousands

Which has the greater value?

1. =

2. >

3. <

4. >

Place Value with a Twist.

6.	**3489**	**12849**	**24092**
Ten Thousands	**0**	**1**	**2**
Thousands	**3**	**2**	**4**
Hundreds	**4**	**8**	**0**
Tens	**8**	**4**	**9**
Ones	**9**	**9**	**2**