



**MathTeacherCoach.com**

**NAMING NUMBERS  
WITHIN ONE MILLION**

# Review

Hundred thousands

453,215

Ten thousands

453,215

Thousands

453,215

Hundreds

453,215

Tens

453,215

Ones

453,215

Commas are used to show groupings of numbers

350654

How many **thousands** are in the number?

How many **hundreds** are in the number?

How many **hundred thousands** are there?

Where should the comma be placed?

Let's figure where to place the comma!

350654

How many thousands are in the number?

There are ZERO thousands.

How many hundreds are in the number?

How many hundred thousands are there?

There are SIX hundreds.

There are THREE hundred thousands.

Where should the comma be placed?

350,654



Let's try this number

7235642

How many thousands are in the number?

There are FIVE thousands

How many hundred thousands are in the number?

There are TWO hundred thousands

How many millions are there?

There are SEVEN millions

Where should the commas be placed?

Notice: There is going to be more than one

7,235,642



**Numbers can be written in many forms**

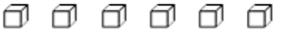
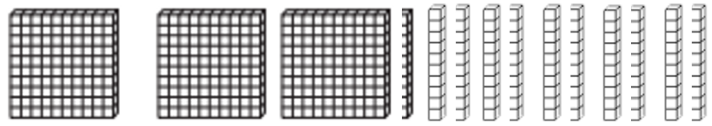
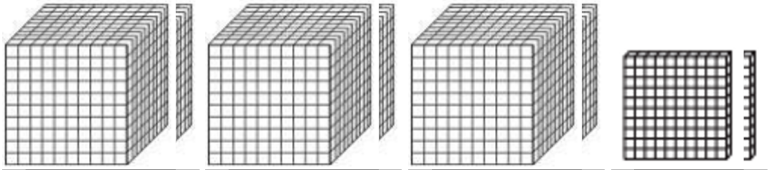


**Number form** is how we write numbers with digits.

**3,456** is in number form.



**Base Ten form** uses base ten blocks to create numbers with base ten blocks.  
**3,456** in base ten form would look like this.



**Word form** uses words like “hundred” and “thousands” to say the number.

**3,456** is said three thousand, four hundred fifty-six



**Expanded form** looks like this

$$3,456 = \underline{3},000 + \underline{400} + \underline{50} + \underline{6}$$

# Number Form & Word Form

- **Number Form** is the form that we most commonly think of when naming a number.
  - It's the number written out in its numerical value

- **Word Form** is the form written out in words.

## Examples:

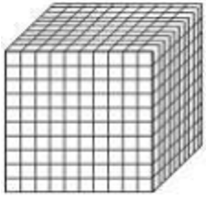
- 1
- 23
- 456
- 7891

## Examples:

- One
- Twenty- three
- Four hundred fifty-six
- Seven thousand eight hundred ninety-one



# Base Ten Form



$$= 1,000$$



$$= 100$$



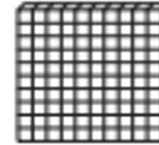
$$= 10$$



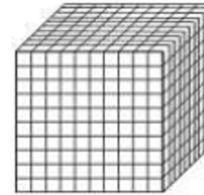
$$= 1$$

**Let's apply it!**

How many



does it take to make one



**10! Because  $1,000 \div 100 = 10$**

# Expanded Form

- Expanded form is when you use multiples of the place value to express your number.

- **Examples:**

- $12 = 1 \times 10 + 2$

- $123 = 1 \times 100 + 2 \times 10 + 3$

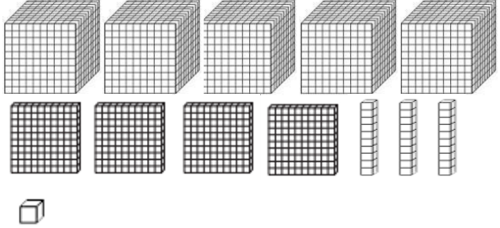
- $1,234 = 1 \times 1,000 + 2 \times 100 + 3 \times 10 + 4$

**Think!** How would you write the number **98,765** in expanded form?

$$90,000 + 8,000 + 700 + 60 + 5$$



# Write the number given in the three forms

<p>Number Form</p> <p>5,431</p>	<p>Word Form</p> <p>Five thousand, four hundred thirty-one</p>
<p>Expanded Form</p> <p><math>5,000 + 400 + 30 + 1</math></p>	<p>Base Ten Form</p> 

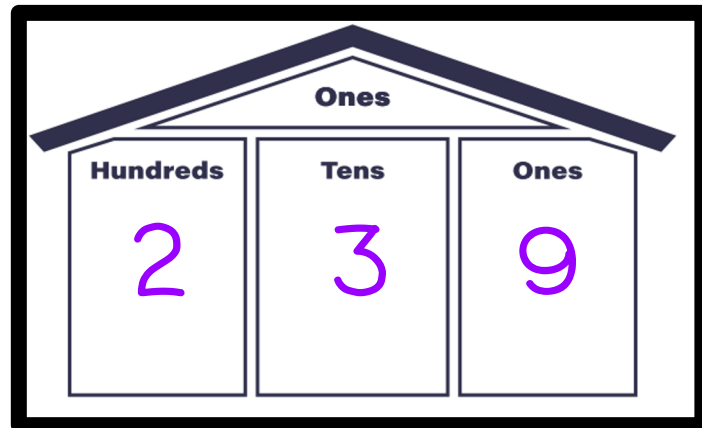
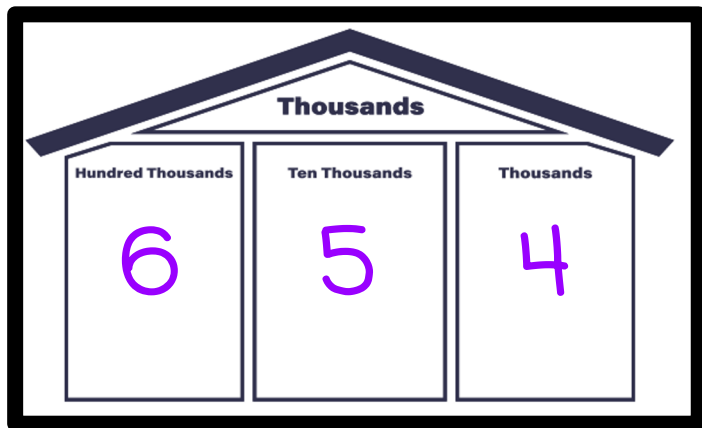


# HOUSE PARTY PLACE VALUE

654239

Put the digits in the correct place value

Where should we place the comma?



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# Write the number given in the three forms

<p>Number Form</p> <p>3,215</p>	<p>Word Form</p> <p>Three thousand, two hundred fifteen</p>
<p>Expanded Form</p> <p><math>3,000 + 200 + 10 + 5</math></p>	<p>Base Ten Form</p> 