


# Concept: The Meaning of Whole Numbers

Name: \_\_\_\_\_

## COMPUTER COMPONENT

**Instructions:**

In  follow the **Content Menu** path:

**Whole Numbers and Integers > The Meaning of Whole Numbers**



Work through all Sub Lessons of the following Lessons **in order**:

- *Seeing the Number*
- *Expanded Notation*
- *Represent Numbers in Many Ways*
- *Place Value to 999, 999*
- *Millions*
- *Billions*
- *Comparing Large Numbers*
- *Ordering Large Numbers*
- *Rounding Large Numbers*

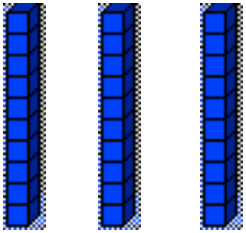



As you work through the computer exercises, you will be prompted to make notes in your notebook/math journal.

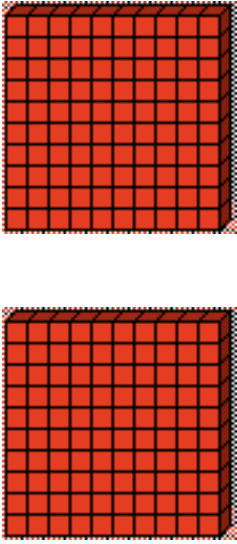
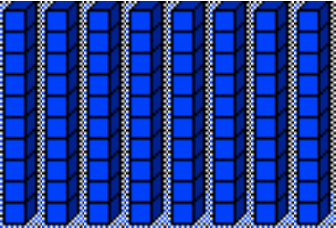

## OFF COMPUTER EXERCISES

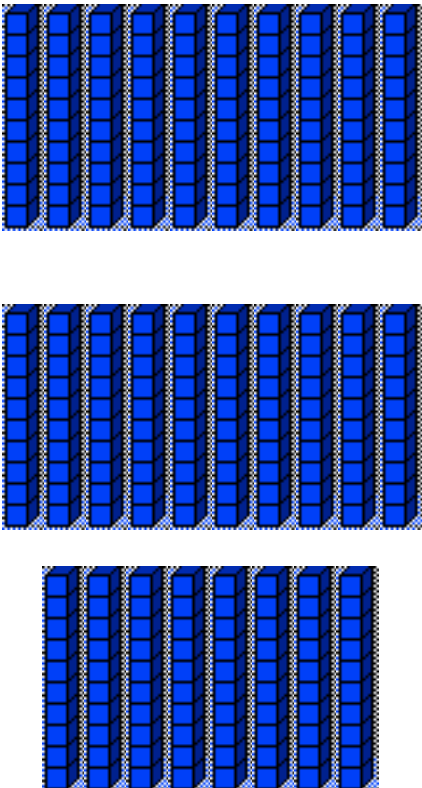
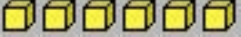
1.

(a) Draw the number 34 using as many Tens blocks as possible.

Tens	Ones
	

(b) Draw the number 286 using as many Hundreds blocks as possible and then as many Tens blocks as possible.

Hundreds	Tens	Ones
		

Tens	Ones
	

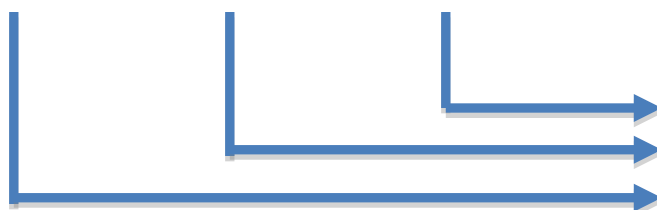
(c) 245 could be represented as **2** Hundreds, **4** Tens, and **5** Ones.

(d) 6,894 could be represented as **6** Thousands, **8** Hundreds, **9** Tens, and **4** Ones.

2. Represent the following numbers in Expanded Notation and then add the numbers.  
 The first one is done for you.

(a) 435

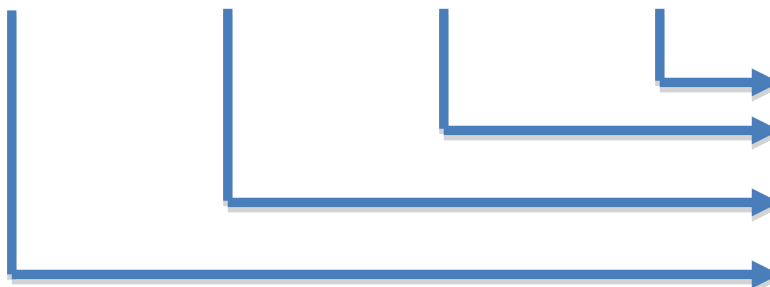
Hundreds	Tens	Ones
4	3	5



$$\begin{array}{r}
 5 \\
 30 \\
 400 \\
 + \quad \quad \quad \\
 \hline
 435
 \end{array}$$

(b) 2,581

Thousands	Hundreds	Tens	Ones
2	5	8	1



$$\begin{array}{r}
 1 \\
 80 \\
 500 \\
 2000 \\
 + \quad \quad \quad \\
 \hline
 2,581
 \end{array}$$

3. Write the following numbers in words and in an addition sentence. The first one is done for you.

(a) 6,279

Six Thousand Two Hundred Seventy-Nine

$$6,000 + 200 + 70 + 9$$

(b) 3,478

**Three Thousand Four Hundred Seventy Eight**

$$3,000 + 400 + 70 + 8$$

(c) 1,935

**One Thousand Nine Hundred Thirty Five**

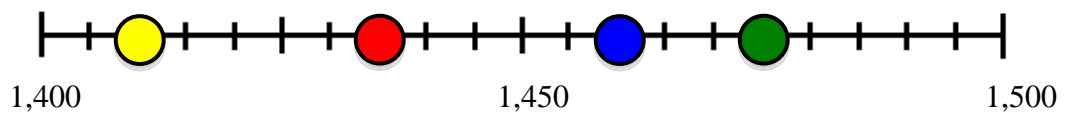
$$1,000 + 900 + 30 + 5$$

(d) Draw a red dot on the point, which is at 1,435 on the number line.

Draw a blue dot on the point, which is at 1,460 on the number line.

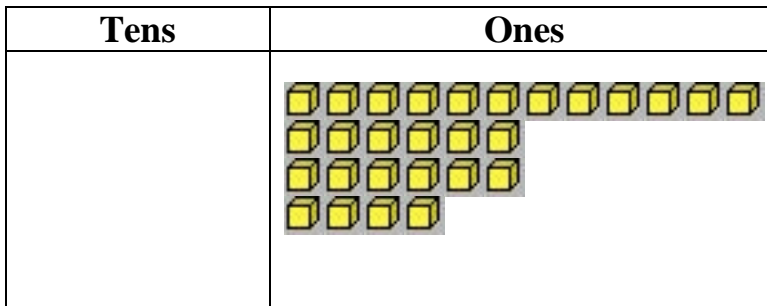
Draw a green dot on the point, which is at 1,475 on the number line.

Draw a yellow dot over the point, which is at 1,410 on the number line.

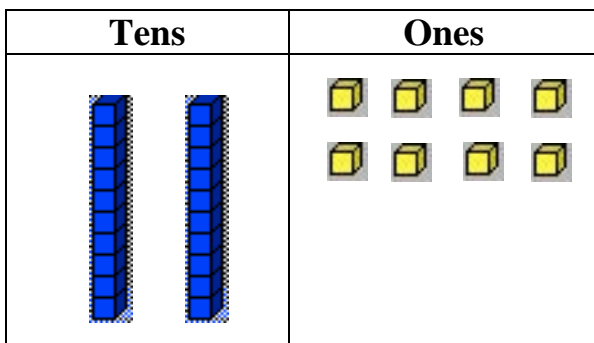


4.

(a) Draw the number 28 in two different ways.



**NOTE: Another option is 1 ten + 18 ones = 28**



(b) Represent the number 832 in three different ways.

8 Hundreds, 3 Tens, and 2 Ones

0 Hundreds, 83 Tens, and 2 Ones

0 Hundreds, 0 Tens, and 832 Ones

**NOTE: Many other variations are possible (splitting up hundreds etc.).**

(c) Represent the number 6,571 in four different ways.

6 Thousands, 5 Hundreds, 7 Tens, and 1 Ones

0 Thousands, 65 Hundreds, 7 Tens, and 1 Ones

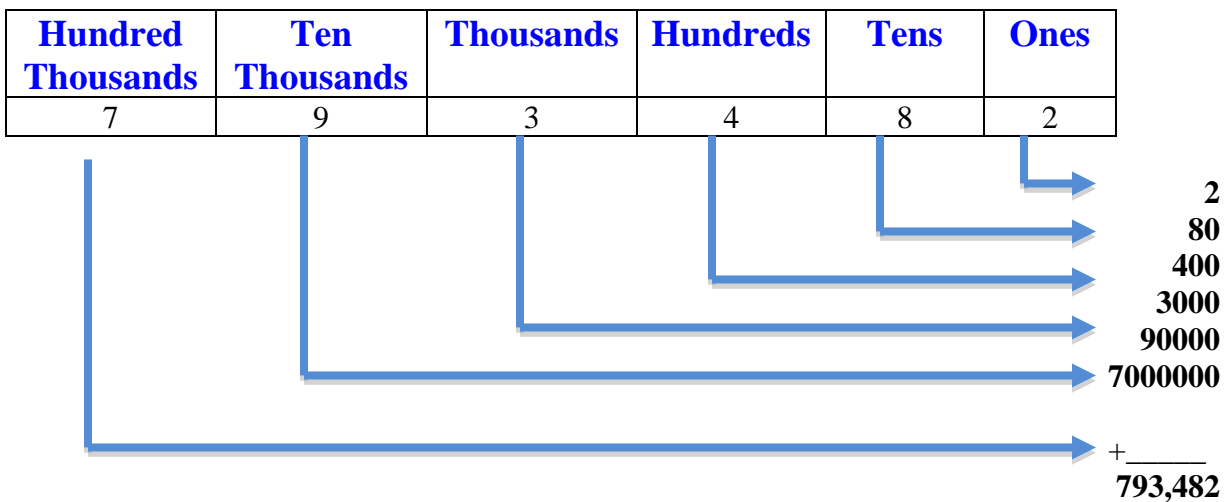
0 Thousands, 0 Hundreds, 657 Tens, and 1 Ones

0 Thousands, 0 Hundreds, 0 Tens, and 6571 Ones

**NOTE: Many other variations are possible.**

5. Write the following in Expanded Notation and add the numbers. Then write each number in words. (*Part of the first question is done for you*)

(a) 793,482



7 HUNDRED THOUSANDS

**9 Ten Thousands**

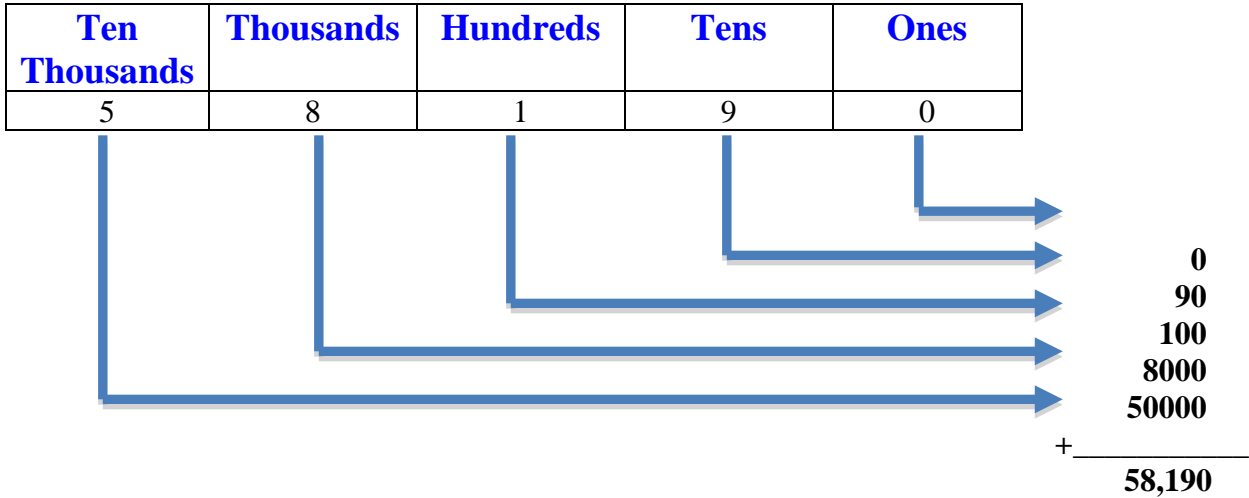
**3 Thousands**

**4 Hundreds**

**8 Tens**

**2 Ones**

(b) 58,190



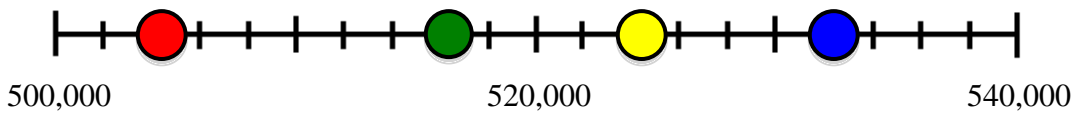
**5 Ten Thousands**  
**8 Thousands**  
**1 Hundred**  
**9 Tens**  
**0 Ones**

(c) Draw a red dot on the point, which is at 504,000 on the number line.

Draw a blue dot on the point, which is at 532,000 on the number line.

Draw a green dot on the point, which is at 516,000 on the number line.

Draw a yellow dot over the point, which is at 524,000 on the number line.

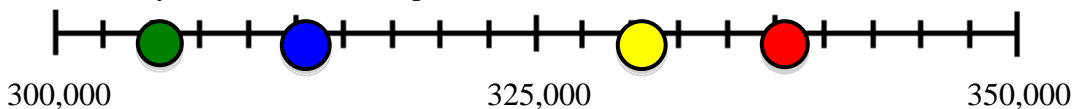


(d) Draw a red dot on the point, which is at 337,500 on the number line.

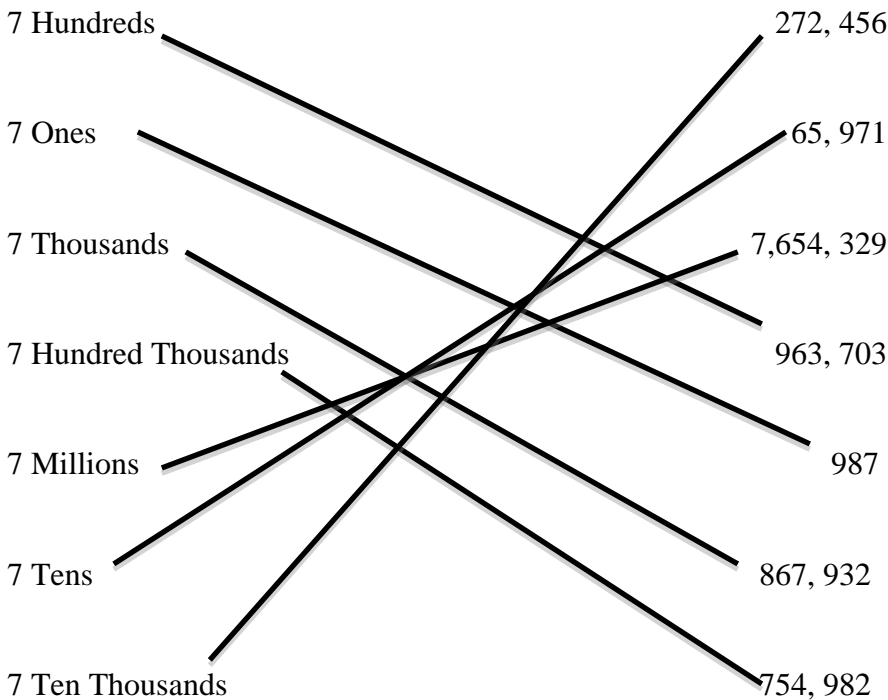
Draw a blue dot on the point, which is at 312,500 on the number line.

Draw a green dot on the point, which is at 305,000 on the number line.

Draw a yellow dot over the point, which is at 330,000 on the number line.



6. Use a ruler to connect the value of '7' with the appropriate number in its standard form.



7. Write a ">" or "<" sign to make the statement true. (Remember to start with the numbers on the left)

- (a) 2,586 > 2,576
- (b) 36,125 < 36,127
- (c) 1,000,000 < 2,000,000
- (d) 896,753,460 > 896,743,460
- (e) 37,029,482,502 < 37,029,482,505

8. From left to right, order these numbers from smallest to largest by rewriting them in the blank spaces.

- (a) 29,612    27,531    21,980    27,631    29,615    34,587
- 21, 980    27,531    27, 631    29, 612    29,515    34,587**
- (b) 546,902,843    982,046,310    572,042,962    609,246,106    546,902,883
- 546,902,843    546, 902, 883    572, 042, 962    609,246,106    982,046,310**

(c) 6,753    6,782    6,712    6,754    6,790    6,711    6,800

**6,711    6,712    6,753    6,754    6,782    6,790    6,800**

9. Complete the table(s) by rounding numbers to the nearest value indicated. (Write your *new* numbers in the spaces provided)

The first one is done for you.

<b>Number</b>	<b>10</b>	<b>100</b>	<b>1,000</b>
1,872	1,870	1,900	2,000
2,438	2,440	2,400	2000
15,761	15,760	15,800	16,000
93,441 93,442 93,443 93,444	93,440	93,400	93,000

Did you get this?

<b>Number</b>	<b>10,000</b>	<b>100,000</b>	<b>1,000,000</b>
23,945,763	23,950,000	23,900,000	24,000,000
1,382,996	1,380,000	1,400,000	1,000,000
1,997,628,333	1,997,630,000	1,997,600,000	1,998,000,000
4,473,292	4,470,000	4,500,000	4,000,000

***Extension/Early Finishers***

How many numbers can you make with the digits 1, 0, 8, 5, 6, and 3? *You can only use a digit only once in each number.*

What is the largest number you can make using only these digits? What is the smallest?

**Many numbers may be made using the above digits.**

**The largest number that can be made is 865,310.**

**The smallest number that can be made is 135,680 (some might argue that you can place the '0' in the Hundred Thousands column to create 013,568).**



A number has been rounded off to 12,000. What might the number be? Justify your response.

**There are many possibilities here, with most being rounded to the nearest Thousand.**

**For example: The original number may be 12, 321 and when rounded to the nearest Thousand it becomes 12,000.**