# 畨 <br> NUMBER and PLACE VALUE <br> <br> Overview 

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Year 5

Number and Place Value we learn:
-Roman Numerals to 1,000 -Numbers to One Million -Powers of $10 \quad-10 / 100 / 1,000 / 10,000 / 100,000$ More/Less -Partition Numbers to 1,000,000 -Number Line to 1,000,000 -Compare/Order to 1,000,000 -Round within 1,000,000

Number and Place Value is useful learning because it is the foundation for all other maths. It helps us to understand the value of digits of numbers and to use mental calculation methods. It helps us to use maths functionally in many areas of our lives.


| Comparing and Ordering/ Counting in Powers of 10 |  |
| :---: | :---: |
| Comparing and Ordering Numbers | Counting in Powers of 10 |
| $\geq \text { Greater than }$ $35,213>4,840$ <br> The number on the left has 3 ten thousands and the number on the right does not have any ten thousands. | 475 485 495 505 515 <br> Tens increase until 10 tens becomes 1 hundred and 0 tens. |
| $\begin{gathered} \text { = Equals } \\ 39+42=9 \times 9 \end{gathered}$ <br> Both calculations have the same value: 81 . | $\begin{array}{lllll}1739 & 1839 & 1939 & 2039 & 2139\end{array}$ <br> Hundreds increase until 10 hundreds becomes 1 thousand and 0 hundreds. |
| $\begin{gathered} \stackrel{\text { L Less than }}{989,523<2,153,822} \end{gathered}$ <br> The number on the right has 2 millions and the number on the left does not have any millions. | $\begin{array}{lllll}376,428 & 386,428 & 396,428 & 406,428 & 416,428\end{array}$ <br> Ten thousands increase until 10 ten thousands becomes 1 hundred thousands and |
| 35,467 43,567 34,567 54,376 34,576 | no ten thousands. |
| W | $\begin{array}{llllll}4,784,661 & 4,884,661 & 4,984,661 & 5,084,661 & 5,184,661\end{array}$ |
|  | Hundred thousands increase until 10 ten |
| Smallest Largest |  |

## Roman Numerals/ Rounding

## Roman Numerals



Rounding

| Rounding Numbers |
| :---: |
| A rounded number has about the same value as the starting | A rounded number has about the same value

number, but it is less exact.

| $\left.\begin{array}{r} 4129 \\ 38056 \end{array}\right\} \begin{array}{r} \text { Find } \\ \text { Look } \\ 5 \text { or greatet } \end{array}$ | Find your place <br> Look next door <br> 5 or greater, add one more |
| :---: | :---: |
| Round to the nearest ten | Round to the nearest hundred |
| $54 \rightarrow 50$ | $\mathbf{4 1 5} \rightarrow 400$ |
| $55 \rightarrow 60$ | $950 \rightarrow 1000$ |
| $313 \rightarrow 310$ | $7261 \rightarrow 7300$ |
| $549 \rightarrow 550$ | $7221 \rightarrow 7200$ |
| $1221 \rightarrow 1220$ | $36430 \rightarrow 36400$ |

## Key Vocabulary

| Millions | Hundreds | Thousands | Negative Number | Interval | Sequence | Linear Sequence | Place Value | Partitioning | Numerals |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

