

# Ch. 1 Place Value

8/11/23

| PLACE VALUE |                   |               |           |          |      |      |
|-------------|-------------------|---------------|-----------|----------|------|------|
| MILLIONS    | HUNDRED THOUSANDS | TEN THOUSANDS | THOUSANDS | HUNDREDS | TENS | ONES |

| PLACE VALUE |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|
| 1           | 9 | 8 | 7 | 6 | 5 | 4 |

millions  
period

thousands  
period

ones  
period

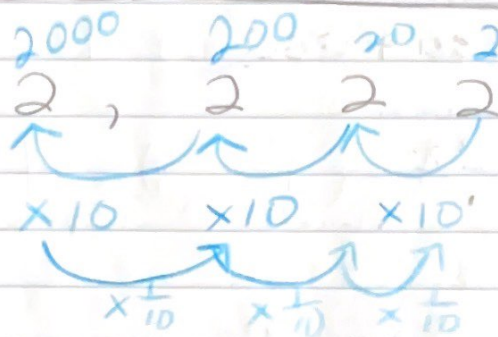
2

1,987,654

Value: 7,000

place value: thousands place

period: thousands period



$$1 \div 10 = \frac{1}{10}$$

The 8 in 8,522 is 8000 =

— times as many as

the 8 in 5, 8 22.

$$8000 = 10 \times 800$$

## Ch. 1 Number Forms

8/15/23

Standard form 482,603

Word form

four hundred eighty-two thousand,  
six hundred three

Expanded form

$$400,000 + 80,000 + 2,000 + 600 + 3$$

$$\begin{array}{r} 400000 \\ 80000 \\ 2000 \\ 600 \\ + 3 \\ \hline 482,603 \end{array}$$

4

382,092

exp:  $300,000 + 80,000 + 2,000 + 90 + 2$

~~$400,000 + 60,000 + 9,000 + 700 + 8$~~

Std: 4 6 9, 7 0 8

## Ch. 1 Order + Compare #s

8/16/23

order from Least to Greatest

~~654~~<sup>③</sup>, 321     ~~643~~<sup>①</sup>, 891     ~~652~~<sup>②</sup>, 531

~~643~~, 891 < ~~652~~, 531 < ~~654~~, 321

Order from G to L

~~43~~<sup>②</sup>, 381     ~~48~~<sup>①</sup>, 766     ~~42~~<sup>③</sup>, 891

~~48~~, 766 > ~~43~~, 381 > ~~42~~, 891
>, <, =
~~487~~, ~~512~~ < ~~487~~, ~~521~~

6

8/17/23

## Ch. 1 Rounding

round to the nearest ten thousand.**Rules for Rounding**

1. UNDERLINE the # in the place value you are going to round to.
2. Look at the # to the right of that, and put a BOX around it.
3. Is the number in the BOX 5 or higher?  
Round the UNDERLINED #  $\uparrow$ .  
OR  
Is the number in the BOX lower than 5?  
The UNDERLINED # stays the **SAME**!
4. Last step: All #s after the UNDERLINED value become **Zeroes**! 000000

$$4 \overline{3} \boxed{8}, 000$$

$$440,000$$

$$3 \overline{6} \boxed{1}, 200$$

$$360,000$$

$$5 \overline{3} \boxed{4}, 999$$

$$540,000$$

$$\textcircled{0}\textcircled{0}\textcircled{0} \textcircled{1} \uparrow$$

$$499,999$$

$$500,000$$

$$7 \overline{6} \boxed{8}$$

$$7,700$$

$$\textcircled{1} \uparrow$$

$$999,999$$

$$1,000,000$$

$$\textcircled{0}\textcircled{0} \uparrow$$

$$499,999$$

$$500,000$$

# Ch. 1 Rename / Regroup

8/21/23

3,498

| thousands                                                     | hundreds                                             | tens                                                 | ones                                           |
|---------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------|
| 3 <sup><math>\times 1000</math></sup>                         | 4 <sup><math>\times 100</math></sup>                 | 9 <sup><math>\times 10</math></sup>                  | 8 <sup><math>\times 1</math></sup>             |
| $\begin{array}{r} 3400 \\ 90 \\ 8 \\ \hline 3498 \end{array}$ | $\begin{array}{r} 34 \times 100 \\ 3400 \end{array}$ | $\begin{array}{r} 9 \times 10 \\ 90 \end{array}$     | $\begin{array}{r} 8 \times 1 \\ 8 \end{array}$ |
|                                                               | ...                                                  | $\begin{array}{r} 349 \times 10 \\ 3490 \end{array}$ | $\begin{array}{r} 8 \times 1 \\ 8 \end{array}$ |

75 tens = 750 ones

$$\begin{array}{r} 75 \times 10 \\ 750 \end{array}$$

$$\begin{array}{r} 750 \times 1 \\ 750 \end{array}$$

69  <sup>$\times 100$</sup>  hundreds = 6,900

6900 = 69  <sup>$\times 100$</sup>  hundreds

4900 = 490  <sup>$\times 10$</sup>  tens