

Ch. 1 Place Value

8/13/24

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

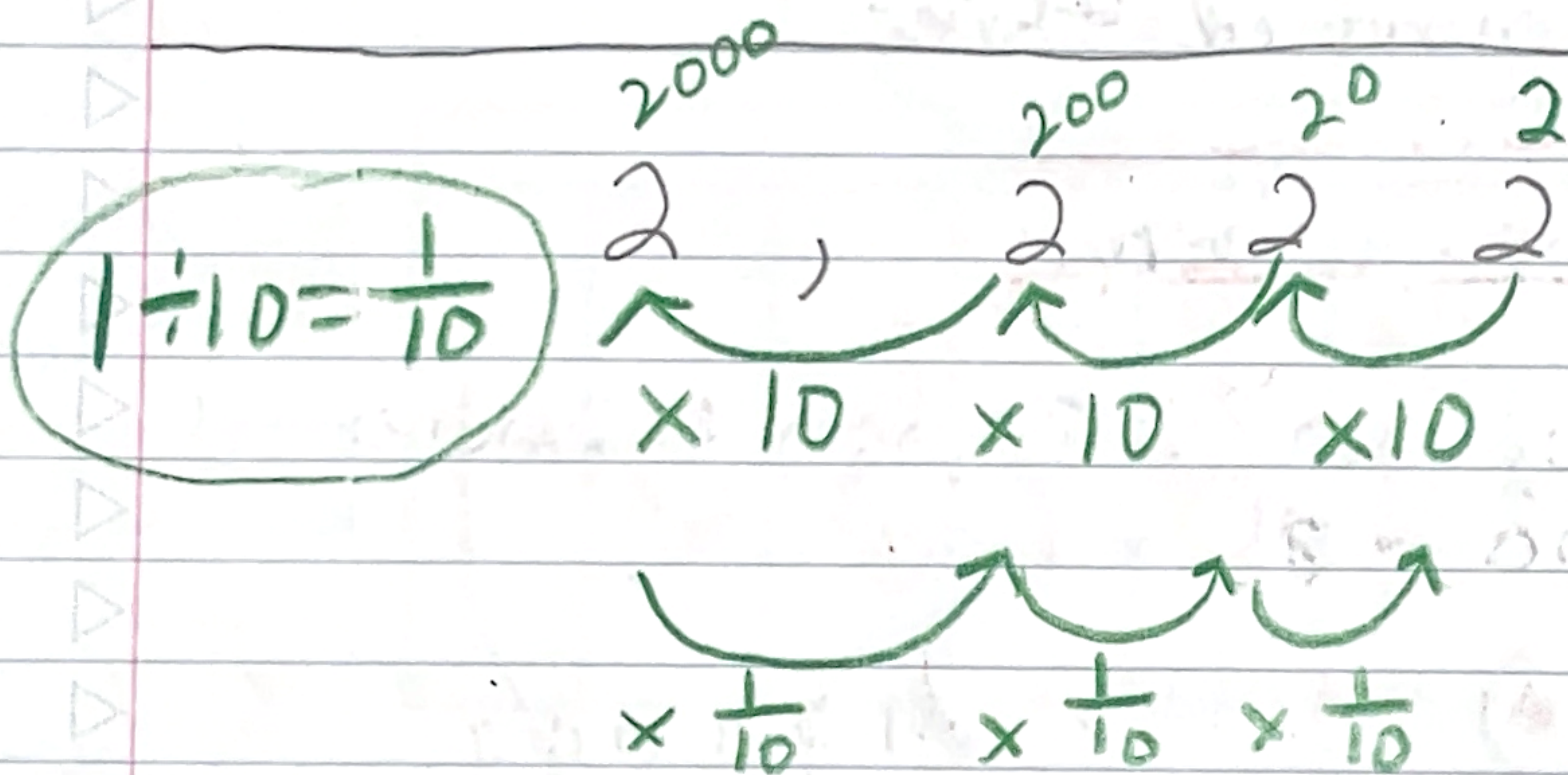
2

1, 9, 87, 654

value: 900,000

place value: hundred thousands

period: thousands period



The 8 in 8,522 is

times as many as

the 8 in 5,822.

$$8000 = 10 \times 800$$

Ch. 1 Number Forms

8/15/24

Standard form

482,603

Word form

four hundred eighty-two thousand,
Six hundred three

Expanded form

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

$$\begin{array}{r} 400000 \\ 80000 \\ 2000 \\ 600 \\ + 3 \\ \hline 482603 \end{array}$$

4

382,092

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

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

std:

4 6 8 , 0 0 8

✓

4	0	0	0	0	0
	6	0	0	0	0
		8	0	0	0
					8
+					
468008					

Ch. 1 Order and Compare #s 8/19/24

order from Least to Greatest

~~654~~^③, 321 ~~643~~^①, 891 ~~652~~^②, 531

643, 891 < 652, 531 < 654, 321

Order from G to L

~~43~~^②, 381 ~~48~~^①, 766 ~~42~~^③, 891

>, <, =

487, 512 > ~~48~~^⑤, 512
⑥



6



8/20/24

Ch. 1 Rounding

round to the nearest hundred 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 **Zeros**! 000000

~~438,004~~

400,000

~~361,240~~

400,000

~~7,681~~

7700

~~62,850~~

63000

~~499,999~~

500,000

~~777,777~~

777,800

~~999,999~~

1,000,000

Ch. 1 Rename + Regroup 8/22/24

thousands	hundreds	tens	ones
3×1000	4×100	9×10	8×1
$\begin{array}{r} 3400 \\ 90 \\ \hline 3490 \\ 8 \\ \hline 3498 \end{array}$	34×100	9×10	8×1
	$\begin{array}{r} 349 \times 10 \\ 3490 \\ + 8 \\ \hline 3498 \end{array}$	349×10	8×1

$$75 \overset{\times 10}{\text{tens}} = \underline{750}$$

$$75 \overset{\times 100}{\text{hundreds}} = \underline{7500}$$

$$2 \overset{\times 1000}{\text{thousands}} \quad 4 \overset{\times 100}{\text{hundreds}} = \underline{2400}$$

$$\begin{array}{r} 2000 \\ + 400 \\ \hline 2400 \end{array}$$

$$22 \overset{\times 1000}{\text{thousands}} = \underline{22000}$$

8

$$\boxed{68}00 = \underline{68} \text{ hundreds}$$

$$\underline{489}0 = \underline{489} \text{ tens}$$

$$\underline{40}00 = \underline{40} \text{ hundreds}$$

$$\underline{400}0 = \underline{400} \text{ tens}$$

$$\underline{39}00 = \underline{39} \text{ hundreds}$$

$$\underline{3590}0 = \underline{3590} \text{ tens}$$

$$\underline{62}00 = \underline{6} \text{ thousands} + \underline{2} \text{ hundreds}$$