

Name: Key

4<sup>th</sup> Grade Notes 1.2 Read and Write Numbers p. 17

A.) standard form : uses digits

Ex: 184,800

B.) word form : uses words

Hint: Read each period separately, as a regular number, and then say the name of the period (not ones). Don't say "and"

because it means something else.

Ex: one hundred eighty-four thousand, eight hundred (don't say "ones")

*Annotations: "one period" above "one hundred", "another period" above "eight hundred", "period name" with arrow pointing to "thousand"*

C.) expanded form : uses zeros to show value (each digit must be

separate, with zeros after it equal to the number of places

after it; if there is a zero in a place, then don't write that place)

Ex:  $20 \mid 21$   
*Annotations: "2 tens = 20" above the tens digit, "one ones = 1" above the ones digit, arrows pointing from the digits to "20 + 1" below.*

$100 + 20 + 3$   
*Annotations: "123" circled above with arrows pointing to "100", "20", and "3". "last place (no zeros)" with arrow pointing to "3". "one hundreds (2 places after the one = 2 zeros)" with arrow pointing to "100". "2 tens is 20 (1 place after the 2 = 1 zero)" with arrow pointing to "20".*

43

$$40 + 3$$

184,800

$$100,000 + 80,000 + 4,000 + 800$$

(no ones or tens, so don't write them)

2,921

$$2,000 + 900 + 21$$

← can't do - each digit must be separate

$$2,000 + 900 + 20 + 1$$

← correct

Write the value of each underlined digit.

528: 20

5,292: 5,000

When going from expanded to standard form, you can just line up the places (line up the numbers on the right and vertically), then add them.

Ex:  $200,000 + 4,000 + 200 + 3$

200,000	← line up
4,000	on right
200	
+	
3	
204,203	