

Grade 4 Mathematics

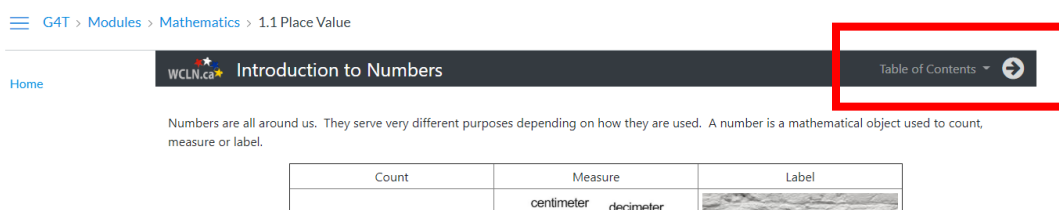
Week of Sept 28- Oct 2

Curricular Area: Numeracy

Lesson Materials

- Lessons for Section [1.1 Place Value](#)
- 1.1 Place Values Learning Guide (This PDF)

Use the link above to open the lessons for Section 1.1 Place Value. On the lesson page, use the arrow next to the “Table of Contents” at the **top of the page** to move through the lessons. You can also click on the Table of Contents to open the menu so you can jump to a specific lesson page.



Work through the online lessons for Section 1.1 Place Value. You can work at your own pace or follow the suggested schedule below. Complete the activities in your Learning Guide as you work through the lessons. You can print the Learning Guide, or, copy out the questions on a separate piece of paper. Be sure to try the games and practice quizzes as you make your way through the online lesson book.

Suggested Lesson Schedule

<p>Monday</p> <ul style="list-style-type: none">• Introduction to Numbers• Hockey Puzzle #1• Check for Understanding• Matching #1 <p>Tuesday</p> <ul style="list-style-type: none">• Representing Numbers• Reading & Writing 3-Digit Number Words (Review)• Reading & Writing Number Words – Larger Numbers• Writing Numbers – “The Rules”	<p>Wednesday</p> <ul style="list-style-type: none">• Comparing Numbers• Comparing Numbers Games• Hockey Puzzle #2 <p>Thursday</p> <ul style="list-style-type: none">• Expanded Form• Your Turn!• Find the Match• Practice Quiz <p>Friday</p> <ul style="list-style-type: none">• Rounding/Nearest Ten• Rounding -1• Rounding/Nearest Hundred• Rounding -2• Rounding/Nearest Thousand• Rounding -3
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Name: _____

UNIT 1 LEARNING GUIDE – NUMERACY

INSTRUCTIONS:

Using a pencil complete the following questions as you work through the related lessons. Show ALL of your work as is explained in the lessons. Do your best and always ask questions if there is anything that you don't understand.

1.1 PLACE VALUE

1. Use the place value chart to correctly show each number. The first one is done for you.

	Ten Thousands	Thousands	Hundreds	Tens	Ones
93 461	9	3	4	6	1
a. 3678					
b. 13 872					
c. 49					
d. 20 050					

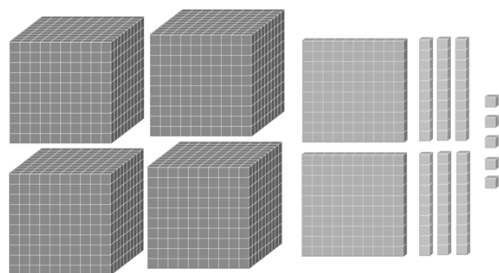
2. The population of Chilliwack BC in 2020 was 83 792.

Example: What is the value of the 9 in this number? **90**

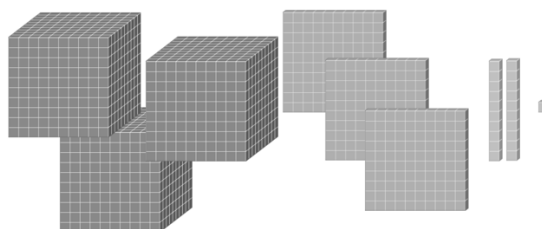
- a. What is the value of the 2 in this number? _____
- b. What is the value of the 3 in this number? _____
- c. What is the value of the 7 in this number? _____
- d. What is the value of the 8 in this number? _____

3. What number is represented by these blocks?

a. _____

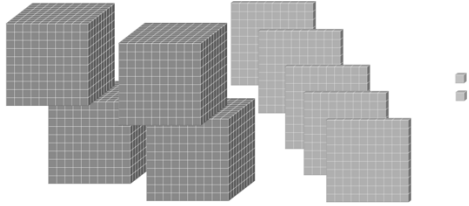


b. _____

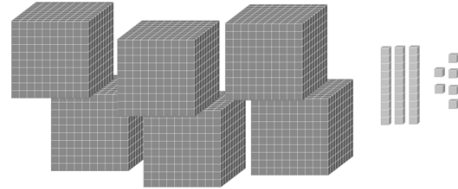


These two are trickier. Each one will need a 0 to hold one of the places:

c. _____



d. _____



4. Practice drawing base tens blocks:

a. Ones – Can be a “dot” (make sure it is visible) or a small square. Draw 5 ones:

□ or ●


b. Tens – Can be a stick or a tall narrow rectangle. Draw 5 tens:

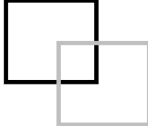
▮ or |

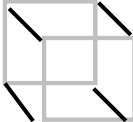
c. Hundreds – A medium sized square. Each side is about the same length as your tens stick or rectangle. Draw 5 hundreds:



d. Thousands – Try drawing a few thousands cubes following the steps below.

Draw a square. 

Draw a second square: 

Connect matching corners: 

5. Represent the given numbers with drawings of base ten blocks.

	Number	Thousands	Hundreds	Tens	Ones
a)	2345				
b)	1268				
c)	3127				

6. Mount Robson is the highest mountain in the Canadian Rockies. It is 3954 metres high. Draw base ten blocks to represent this number.

7. The Fraser River is 1375 km long. Draw base ten blocks to represent this number.

8. Write number words for the following. There is no hyphen between the hundreds and the tens only between the tens and the ones. The most common mistake is using the word “and”:

Example: 237 two hundred thirty-seven

a) 719

b) 121


c) 572

d) 403

e) 990

9. Write the numbers provided in words.

Come see the World's Largest

Pumpkin. 

_____ kg

(681)

Skateboard Sale

 Includes helmet padding and skateboard

(\$126)

10. Complete the number words:

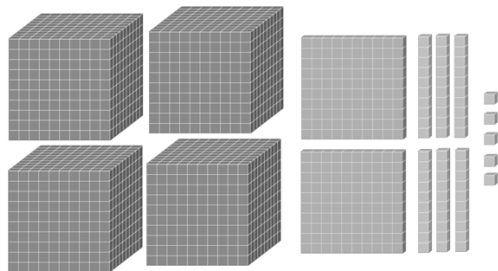
4621: four thousand ____ hundred _____-one

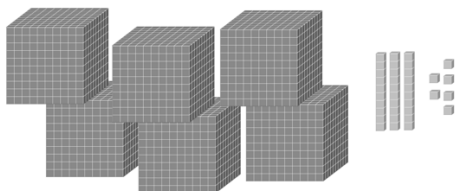
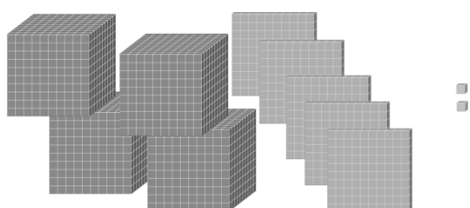
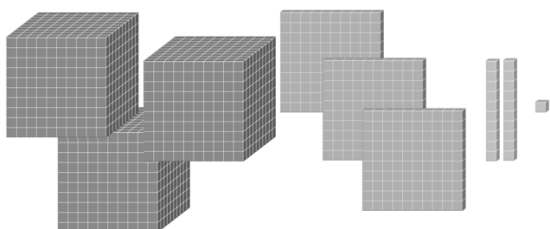
9876: nine _____ eight _____ seventy-_____

2475: _____

8702: _____

9003: _____





11 Circle the correct way to write the number:

a) 3438 OR 3 438

b) 58679 OR 58 679

c) sixty three OR sixty-three

12. Write the number words. Remember to use proper spacing (no commas) do not use the word "and" and use hyphens in between the tens and ones (after 20).

Example: 80 942: **eighty thousand nine hundred forty-two**

a. 634 _____

b. 872 _____

c. 4596 _____

d. 23 232 _____

e. 6065 _____

f. 52 003 _____

13. Read each written number carefully. Match the written number to its correct number form. Write the correct letter on the line next to the number.

_____ 91 114

_____ 31 643

_____ 4 897

_____ 67 394

_____ 9476

_____ 3 577

_____ 31 554

_____ 6336

_____ 4857

_____ 17 277

a. four thousand eight hundred ninety-seven

b. seventeen thousand two hundred seventy-seven

c. thirty-one thousand five hundred fifty-four

d. nine thousand four hundred seventy-six

e. four thousand eight hundred fifty-seven

f. ninety-one thousand one hundred fourteen

g. three thousand five hundred seventy-seven

h. sixty-seven thousand three hundred ninety-four

i. thirty-one thousand six hundred forty-three

j. six thousand three hundred thirty-six

Remember the rule is: **Always compare numbers using the largest place value that is different.**

14. Circle the pair of digits that are different in each pair of numbers.

Then write the greater number in the box.

a) $\begin{array}{r} 24\textcircled{7}5 \\ 24\textcircled{6}5 \\ \hline 2475 \end{array}$	b) $\begin{array}{r} 1470 \\ 1270 \\ \hline \end{array}$	c) $\begin{array}{r} 3752 \\ 3757 \\ \hline \end{array}$	d) $\begin{array}{r} 3657 \\ 3757 \\ \hline \end{array}$	e) $\begin{array}{r} 5469 \\ 6469 \\ \hline \end{array}$
---	--	--	--	--

f) $\begin{array}{r} 5183 \\ 5197 \\ \hline \end{array}$	g) $\begin{array}{r} 7343 \\ 7843 \\ \hline \end{array}$	h) $\begin{array}{r} 5752 \\ 6057 \\ \hline \end{array}$	i) $\begin{array}{r} 3952 \\ 3757 \\ \hline \end{array}$	j) $\begin{array}{r} 5432 \\ 5431 \\ \hline \end{array}$
--	--	--	--	--

15. Read the numbers from left to right. Underline the first pair of digits that you find that are different. Then write the > (greater than) < (less than) or = (equal to) between the numbers to make a true statement. The first one is done for you.

- | | | |
|--------------------------------|-----------------|-----------------|
| a) $23\text{4}2 < 23\text{5}1$ | b) 6201 6275 | c) 7427 7202 |
| d) 8851 8923 | e) 6642 6640 | f) 8234 7723 |
| g) 5401 5402 | h) 7728 8254 | i) 1113 1113 |

16. Circle the greatest number in each pair.

- a) fifty-two or 53 b) two hundred eighty-eight or 291
- c) three thousand seven hundred twenty-five or 4030
- d) six thousand three hundred seventy-five or 6309

17. What digits can you put in the box to make the statement true?

$$\boxed{} \boxed{2} < \boxed{4} \boxed{}$$

8. Fill in the blanks with digits that will make the number statements true.

- a) $_ _ 8 < 4 _ 6$ b) $_ 9 _ _ > 5 _ _ 8$

19. Rearrange the digits to develop the largest number possible. You can only use each number once. The first one is done for you.

example: Digits: 16248

Largest Number: **86 421**

Smallest Number: **12 468**

a) Digits: 27948

Largest Number: _____

Smallest Number: _____

b) Digits: 25749

Largest Number: _____

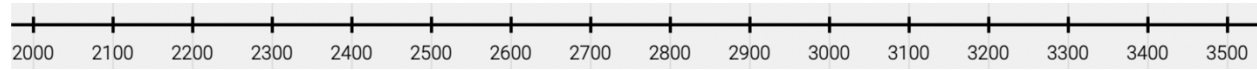
Smallest Number: _____

c) Digits: 13874

Largest Number: _____

Smallest Number: _____

20. Use a number line. Make a dot for each number. 3143 2423 and 3413.



Order the numbers from least to greatest.

21. Write 3 different numbers using all of these digits: 3 5 7 8.

Order the numbers from least to greatest:

22. Peyton and Oakley collect rocks.

Peyton has 2325 rocks.

Oakley has 2234 rocks.

Who has more rocks?

23. Bex and Jo say that since $7 > 2$ then $787 > 2121$. Are they correct? Explain using words pictures or numbers.

24. Write each number in expanded form.

Example: 12 467 = 10 000 + 2000 + 400 + 60 + 7

a) 5253 =

b) 9999 =

c) 6045 =

d) 7208 =

e) 8460 =

f) 45 678 =

25. Write the following expanded numbers in standard form. Remember to check for missing numbers. The first one is done for you.

Example: $4000 + 300 + 20 + 9 = 4329$

a) $5000 + 700 + 30 + 2 =$

b) $7000 + 200 + 40 =$

c) $4000 + 300 + 9 =$

d) $3000 + 60 =$

e) $2000 + 5 =$

f) $6000 + 80 + 3 =$

Be careful with these

g) $7 + 200 + 40 + 3000 =$

h) $300 + 5000 + 8 =$

i) $20 + 900 + 5 + 10\,000 =$

26. Mount Robson is the highest mountain in the Canadian Rockies. It is 3954 metres high. Use expanded form to show this number.

27. The Fraser River is 1375 km long. Use expanded form to show this number.

28. Mt. Everest is the world's highest mountain at 8850 m high.

a. Draw Base Ten Blocks to show this number:

b. Write this number in words.

c. Use expanded form to show this number.

29. Circle the multiples of ten. (These are numbers you say when counting by tens.)

0 2 8 30 60 77 80 97 99 100 106 120 350

30. Draw an arrow to the nearest multiple of 10 (0 10 20 30) to show which you would round to. Then round to the nearest ten.

EXAMPLE:



Round to: 0

a)



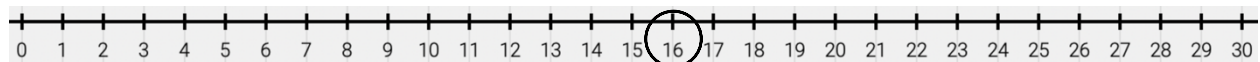
Round to: _____

b)



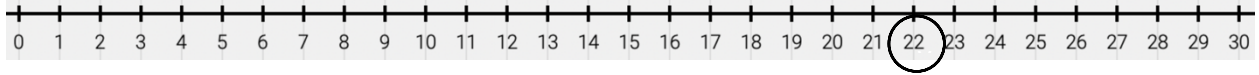
Round to: _____

c)



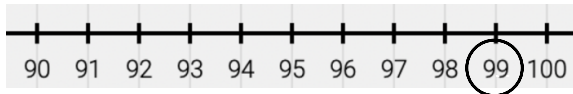
Round to: _____

d)



Round to: _____

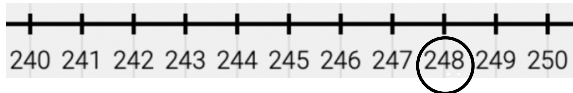
e)



Round to: _____

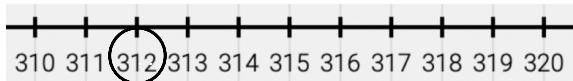
31. Draw an arrow to show if you would round up or down to the nearest multiple of 10. Then round to the nearest ten.

a)



Round to: _____

b)



Round to: _____

c)



Round to: _____

32. Round to the nearest tens place. Underline the tens digit. Put your pencil on the digit to the right (the ones digit). This digit tells you whether to round up or down.

- | | |
|--------------------------------------|-------------------------|
| a) <u>16</u> rounds to 20 . | b) 82 rounds to _____. |
| c) 71 rounds to _____. | d) 57 rounds to _____. |
| e) 93 rounds to _____. | f) 97 rounds to _____. |
| g) <u>145</u> rounds to <u>150</u> . | h) 132 rounds to _____. |
| i) 460 rounds to _____. | j) 655 rounds to _____. |
| k) 884 rounds to _____. | l) 998 rounds to _____. |
| m) 291 rounds to _____. | n) 207 rounds to _____. |
| o) 545 rounds to _____. | p) 554 rounds to _____. |

33. Draw an arrow to the multiple of 100 (0 100 200) to show which you would round to. Then round to the nearest hundred.

a)



Round to: _____

b)



Round to: _____

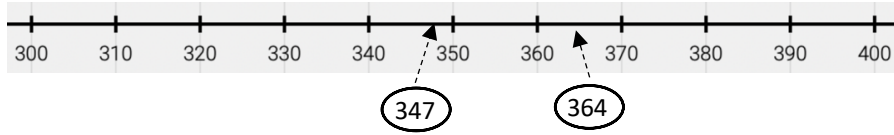
c)



Round to: _____

Round to: _____

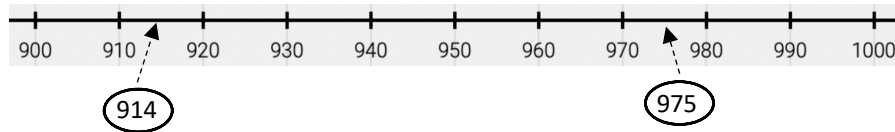
d)



Round to: _____

Round to: _____

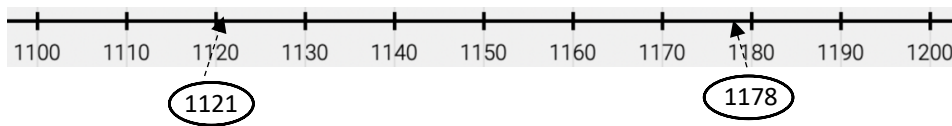
e)



Round to: _____

Round to: _____

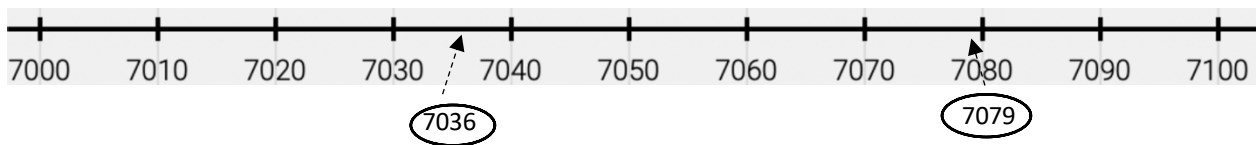
f)



Round to: _____

Round to: _____

g)



Round to: _____

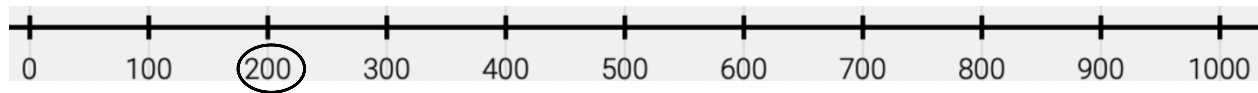
Round to: _____

34. Round to the nearest hundreds place. Underline the hundreds digit. Put your pencil on the digit to the right (the tens digit). This digit tells you whether to round up or down.

- | | |
|---|--------------------------|
| a) <u>5</u> 40 rounds to <u>500</u> . | b) 780 rounds to _____. |
| c) 250 rounds to _____. | d) 370 rounds to _____. |
| e) 358 rounds to _____. | f) 138 rounds to _____. |
| g) 821 rounds to _____. | h) 463 rounds to _____. |
| i) <u>14</u> 56 rounds to <u>1500</u> . | j) 4389 rounds to _____. |
| k) 2229 rounds to _____. | l) 1905 rounds to _____. |
| m) 7355 rounds to _____. | n) 6089 rounds to _____. |
| o) 5924 rounds to _____. | p) 9765 rounds to _____. |

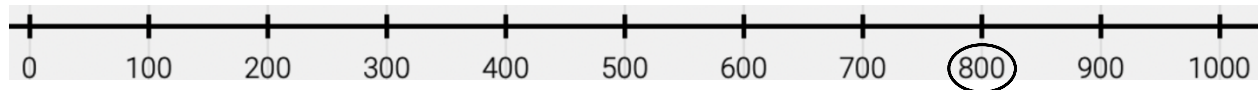
35. Draw an arrow to the multiple of 1000 (0 1000 2000 ...) to show which you would round to. Then round to the nearest thousand.

a)



Round to: _____

b)



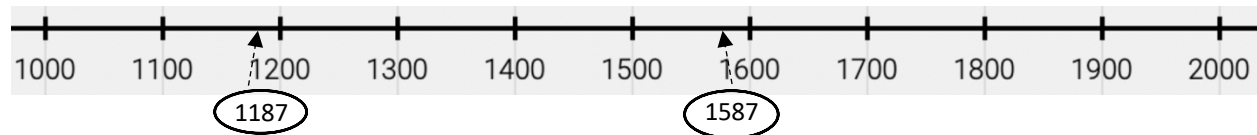
Round to: _____

c)



Round to: _____

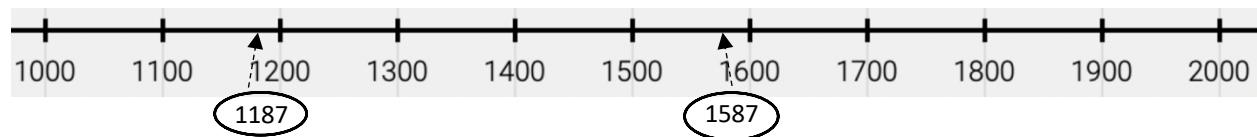
d)



Round to: _____

Round to: _____

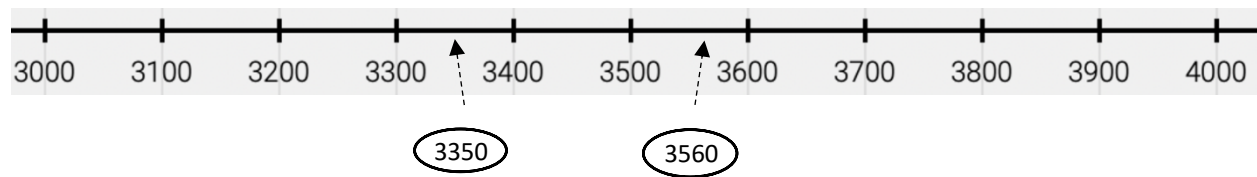
e)



Round to: _____

Round to: _____

f)



Round to: _____

Round to: _____

36. Round to the nearest thousands place. Underline the thousands digit. Put your pencil on the digit to the right (the hundreds digit). This digit tells you whether to round up or down.

a) 2176 rounds to 2000.

b) 9051 rounds to _____.

c) 4228 rounds to _____.

d) 6832 rounds to _____.

e) 9213 rounds to _____.

f) 3607 rounds to _____.

g) 7344 rounds to _____.

h) 5114 rounds to _____.

i) 4632 rounds to _____.

j) 4389 rounds to _____.

k) 8541 rounds to _____.

l) 1905 rounds to _____.

i) 7355 rounds to _____.

j) 6089 rounds to _____.

k) 5924 rounds to _____.

l) 9765 rounds to _____.