September 30

You Need:

   1.) Your Binder

   2.) Pencil

   3.) Calculator

Agenda:

1.) POD (What is it and how it is graded)

2.) Section 2-1 Place Value

3.) Math Facts + / -

POD

Kristine and her friends are raising money for charity. They hope to raise $900 to reach their goal. So far, they have $780. How much more do they need to collect in order to reach their goal? A

$$900 - 780 = \$120$$

Section 1-5 Quiz

Name _____

Matching

1. __C__ <nbsp; A. Greater Than

2. __A__ >   B. Equal to

3. __B__ =   C. Less Than

4.) 4001 __<__ 4100   5.) 0.5 __=__ 0.5000   6.) 7.5 __<__ 12.3

6.5000

Write in order from least to greatest

7.) 541; 415; 154   --> __154__ , __415__ , __541__

0.700
0.007
0.070

8.) 0.7; 0.007; 0.07   --> __0.007__ , __0.07__ , __0.7__

9.) 2.5; .025; 25.0   --> __.025__ , __2.5__ , __25__

2.5
0.025
25.

10.) 0.02; .022; 0.0202 --> __.02__ , __.0202__ , __.022__

.020
.022
.0202

2-1 Whole Numbers and Decimals

[handwritten, blue] 10, 25, 37, 81

[handwritten, orange] 12.5 .0001 1.23

- If you have two bills in your wallet, it makes a big difference whether they are ones or tens or hundreds. The same is true for numbers.
- The value of each digit in a number depends upon the place that the digit occupies. A place-value chart can help you read and write whole numbers and decimals.
- When moving to the left of the decimal point, each place is 10 times the value of the place to its right.
- When moving to the right of the decimal point, each place is one tenth of the value of the place to its left.
- Since the value of each place is a power of 10, any number can be written as the sum of the values of its digits. This is called expanded notation.

[handwritten, orange] 1,250,003

Number	1,000,000	100,000	10,000	1,000	100	10	1	0.1	0.01	0.001	0.0001	0.00001	0.000001
Name	One Million	One Hundred Thousand	Ten Thousand	One Thousand	One Hundred	Ten	One	One Tenth	One Hundredth	One Thousandth	One Ten Thousandth	One Hundred Thousandth	One Millionth
Fractions	$\frac{1}{1,000,000}$	$\frac{1}{100,000}$	$\frac{1}{10,000}$	$\frac{1}{1,000}$	$\frac{1}{100}$	$\frac{1}{10}$	$\frac{1}{1}$	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1,000}$	$\frac{1}{10,000}$	$\frac{1}{100,000}$	$\frac{1}{1,000,000}$

Numbers ≥ 1   .   Numbers Between 1 and 0

The Decimal Point

[handwritten, orange] 2,700 = Two Thousan Seven Hundred   3,702,300   1,001,005

Reading whole numbers that are written as numerals
- The places are grouped into sets of three, separated by commas as shown below.
- Each group is a period, and each period has a name such as ones, thousands, and millions.

Billions			Millions			Thousands			Ones		
hundred billions	ten billions	billions	hundred millions	ten millions	millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones

To read the number 64,206,011:
1. Begin with the largest period, which is farthest to the left. Read the number in this period followed by the word million, that is: sixty-four million.
2. Read the number in the thousands period followed by the word thousand, that is: two hundred and six thousand.
3. Read the number in the ones period, without the period name: eleven.

All together, you read: sixty-four million, two hundred and six thousand, eleven.

Examples Read each number

1. 2,342

2. 4,236,764.325

3. 34.57

4. 673.15

Practice:

1. The number 1,436.06 is read as _____

2. The number 1.0001 is read as _____

3. In 473.169, which digit is in the tenths place? _____

4. Given the number 6,954,209.01, identify the digit in the ten-thousands place. _____

5. 8. Identify the digit in the tens place in the number 7,426. _____

6. What is the value of the digit 8 in the number 3,098,430.651? _____

7. In the world today there are about 6,083,000,000 people. This number would be read as

8. By how much will the number 745.096 be increased if the digit 6 is changed to an 8?

Write each number in words

9. 209 _____   10. 3,494 _____

12. 10,006 _____   11. 7.62 _____

13. 305,009 _____   12. 42.6 _____

14. 0.0001 _____   15. 3.0 _____

Write each number in Standard Form

16. five hundred sixty-five _____

17. three thousand, five hundred _____

18. ten million, four thousand two _____

19. seventy thousand, nine hundred one and one tenth _____

20.two and ninety-nine hundredths _____

October 3

You Need:

   1.) Your Binder

   2.) Pencil

   3.) Calculator

Agenda:

1.) POD (What is it and how it is graded)

2.) Section 2-1 Place Value

3.) Math Facts + / -

POD

Daniel bought 3 dozen eggs. How many eggs did Daniel buy?

12

12 + 12 + 12

3 × 12

36

Examples Read each number

1. 2,342

   two thousand, three hundred forty-two.

2. 3,500,000   4,986,764,325

   THREE MILLION FIVE HUNDRED THOUSAND

3. 34.5

   THIRTY FOUR AND 5 tENTHS

4. 673.15   six hundred seventy-three and fifteen hundredths.

Practice:

1. The number 1,436.06 is read as ONE THOUSAND four hundred Thirty Six AND Six HUNDRETHS

2. The number 1.0001 is read as _____

3. In 473.169, which digit is in the tenths place? ___ one ___

4. Given the number 6,954,209.01, identify the digit in the ten thousands place. HUNDRETHS ___1___

5. Identify the digit in the tens place in the number 7,426. ___2___ (THOUSAND)

6. What is the value of the digit 8 in the number 3,098,430,651? _____

7. In the world today there are about 6,083,000,000 people. This number would be read as

8. By how much will the number 745.096 be increased if the digit 6 is changed to an 8?

Write each number in words

9. 209 _____

10. 3,494 _____

12. 10,006 _____

11. 7.62 _____

13. 305,009 _____

12. 42.6 _____

14. 0.0001 _____

15. 3.0 _____

Write each number in Standard Form

16. five hundred sixty-five ___ 565 ___

17. three thousand, five hundred ___ 3,500 ___ 2,000

18. ten million, four thousand two ___ 10,004,002 ___

19. seventy thousand, nine hundred one and one tenth ___ 70,901.1 ___

20. two and ninety-nine hundredths ___ 2.99 ___

Worksheet 2-1 A

Name _____

Write the value of the underlined digit

154 *50*   447 *7*   843 *800*

1. 34<u>5</u> _____   2. <u>8</u>94 _____   3. 3<u>3</u>4 _____

4. 6<u>7</u>4 _____   5. <u>2</u>53 _____   6. 4<u>4</u>6 _____

7. 45<u>1</u> _____   8. 3<u>7</u>6 _____   9. <u>6</u>25 _____

10. 8<u>5</u>5 _____   11. 54<u>2</u> _____   12. <u>1</u>68 _____

13. <u>3</u>69 _____   14. 1<u>6</u>4 _____   15. 73<u>8</u> _____

16. <u>4</u>09 _____   17. 38<u>9</u> _____   18. 7<u>9</u>9 _____

19. 7<u>07</u>_____   20. <u>3</u>28 _____   21. 8<u>4</u>8 _____

22. **Write the digit in the tens place**
   a.) 1,483 _____   b.) 3,490 _____   c.) 2,661 _____

   one Thousand four hundred And eighty Three

23. **Write the digit in the thousands place**
   a.) 2,293 _____   b.) 8,115 _____   c.) 6,804 _____

   two thousand two hundred and Ninety Three

24. **Write the digit in the hundreds place**
   a.) 5,003 _____   b.) 7,284 _____   c.) 1,979 _____

25. **Write the digit in the ones place**
   a.) 4,313 _____   b.) 3,000 _____   c.) 9,984 _____

   10.5 → Ten And five Tenths

   23.13   Twenty Three And Thirton hundredths

Write the numbers for each

26. seventy-nine _____

27. forty-five _____

28. twenty-six _____

29. ninety-three _____

30. sixty-seven_____

31. six hundred ninety-six _____

32. four hundred eighty-five _____

33. seven hundred forty-four _____

34. two hundred ten _____

35. one hundred five _____

36. two thousand, six hundred forty _____

37. six thousand, four hundred sixty-six _____

38. three thousand, six hundred three _____

39. two thousand, twenty-nine _____

40. eight thousand, nine hundred seventy-six _____

41. ninety-five thousand, twenty-five_____

42. ten thousand, ninety-six _____

43. twenty-four thousand, nine hundred thirteen _____

44. sixty thousand, five hundred eighty-eight _____

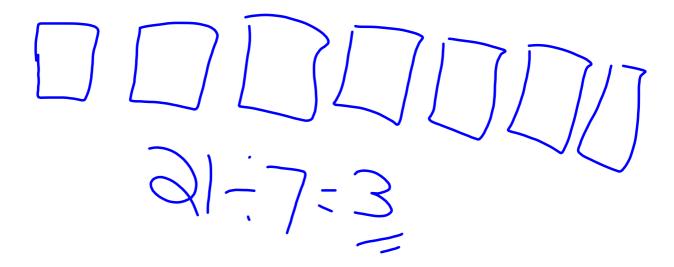45. forty-six thousand, eight hundred nine _____

October 4

You Need:

   1.) Your Binder

   2.) Pencil

   3.) Calculator

Agenda:

1.) POD (What is it and how it is graded)

2.) Section 2-1 Place Value

3.) Math Facts + / -

POD

Darren has 21 pencils and seven bags. If he puts the same number of pencils in each bag, how many pencils will be in each bag?

$$21 \div 7 = 3$$

Write the numbers for each

26. seventy-nine _____79_____

27. forty-five _____

28. twenty-six _____

29. ninety-three _____

30. sixty-seven_____

31. six hundred ninety-six _____696_____

32. four hundred eighty-five _____

33. seven hundred forty-four _____744_____

34. two hundred ten _____

35. one hundred five _____

36. two thousand, six hundred forty _____2,640_____

37. six thousand, four hundred sixty-six _____

38. three thousand, six hundred three _____3,603_____

39. two thousand, twenty-nine _____

40. eight thousand, nine hundred seventy-six _____

41. ninety-five thousand, twenty-five_____

42. ten thousand, ninety-six _____

43. twenty-four thousand, nine hundred thirteen _____

44. sixty thousand, five hundred eighty-eight _____60,588_____

45. forty-six thousand, eight hundred nine _____

Worksheet 2-1 B

Name _____

① 12.5 _____

② 103.08 _____

③ 71 _____

④ 723 _____

⑤ 1,752

⑥ 205,723

⑦ 73,121

⑧ 1,500,301

22. Write the digit in the tens place

a.) 12,983 _____   b.) 3,450 _____   c.) 6,061 _____

Write the value of the underlined digit

24. Write the digit in the thousands place

a.) 5,003 _____   b.) 7,284 _____   c.) 1,979 _____

4. 4<u>6</u>3 _____   5. 1<u>4</u>2 _____   6. 3<u>5</u>2 _____

Write the digit in the hundreds place

a.) 4,313 _____   b.) 3,000 _____   c.) 9,984 _____

1. 3<u>2</u>3 _____   2. 5<u>8</u>3 _____   3. 25<u>4</u> _____

7. 254<u>0</u> _____   8. 468 _____   9. <u>5</u>14 _____

10. 3<u>6</u>3 _____   •   11. 23<u>2</u> _____   12. <u>2</u>56 _____

13. <u>1</u>37 _____   14. 2<u>5</u>0 _____   15. 32<u>0</u> _____

16. <u>2</u>18 _____   17. 27<u>8</u> _____   18. 5<u>4</u>5 _____

19. 21<u>4</u> _____   20. <u>4</u>17 _____   21. 6<u>3</u>5 _____

26. eighty_____

27. fifty-eight_____

28. nineteen_____

29. thirty_____

30. sixty-eight_____

31. eight hundred fifty-nine _____

32. three hundred twenty-four _____

33. four hundred nine _____

34. two hundred fifty-one _____

35. one hundred sixty-seven _____

36. nine thousand, one hundred one _____

37. four thousand, five hundred thirty-one _____

38. three thousand, three hundred fifty-nine _____

39. seven thousand, nine hundred seventy-two _____

40. eight thousand, one hundred fifty-two _____

41. eighty-four thousand, four hundred forty-two _____

42. forty-nine thousand, three hundred twenty-one _____

43. thirty-seven thousand, five hundred fifty-seven _____

44. sixty-one thousand, eight hundred seventy-five _____

45. twenty-seven thousand, four hundred eighty-nine _____