September 6

You Need:

1.) Your Binder

2.) Pencil

3.) Calculator

Agenda:

1.) POD

2.) Section 1-2

POD

James has 28 marbles. He puts them into 4 bags. He puts the same number of marbles in each bag How many marbles are in each bag?

$28 \div 4 = 7$

Math IV Lesson 2

Multiplication and Division Expressions

Review:

Circle the variable: 6x 3x + 7 4 + 3x

Evaluate the expression when x = 3 and y = 5

x + 4	y - 2	x + y
3 + 4	5 - 2	3 + 5
7	3	8

Warm-Up Exercises

Find each answer.

1. 23 x 6 _____
2. 48 x 47 _____
3. 4506 ÷ 6 _____
4. 6372 ÷ 9 _____

Multiplying Expressions

In algebra, it is important to realize that you can show both multiplication and division in a number of different ways.

These represents multiplication.

times sign	*raised dot*	*parentheses*
7×5	$7 \cdot 5$	(7)5 or 7(5) or (7)(5)

These represents Division.

division sign	*division house*	*fraction bar*
$42 \div 7$	$7\overline{)42}$	$\frac{42}{7}$

* when a number and variable are together they are multiplying
  - for example 2x means 2 times x

2x = 2 times x

6x

1 & A

1

Example:
Evaluate 3x When x = 5 15
3 x 5 OR 3 · 5 OR (3)(5)

Evaluate 5•a When a = 4 20
5.4

Evaluate 2xb When b = 3 6
2 · 3

Evaluate 12 ÷ y When y = 6 2
12 ÷ 6

~~Evaluate 15) y When y = 3~~

Evaluate $\frac{8}{x}$ When x = 2 4
$\frac{8}{2}$

Evaluate each expression when a = 5, b = 3, and c = 8

1. 7a 35
7 x 5 =
2. 22•b 66
22 · 3
3. 35 ÷ a 7
35 ÷ 5
4. c) 24 3
8) 24
5. ab 15
5 3
6. $\frac{c}{b}$ 2.6
$\frac{8}{3}$

Evaluate each expression when w = 6, x = 16, y = 63, and z = 18

7. 7x 112
7(16)
8. (2)(w) 12
2X6
9. 7y 441
7 · 63
10. 30 ÷ w 5
30 ÷ 6 =
11. $\frac{y}{9}$ 7
63 ÷ 9
12. w) 30 5
6) 30
13. $\frac{48}{x}$ 3
48 ÷ 16
14. wx 96
6 · 16
15. xy 1008
16 · 63
16. z ÷ w 3
18 ÷ 6 = 3
17. y ÷ x 3.93
63 ÷ 16