Date _____

2-1 Variables and Expressions (Page 48)

Algebraic expression vs. Numerical expression
Algebraic expression has letters and numbers where as a numerical expression only has numbers.

Evaluate an expression means to solve the problem.

Evaluate each expression to find the missing values in the table:

W	W ÷ 11
55	5
66	
77	

N	4 x N + 6
1	10
2	
3	

Find the expression:

X	
6	48
7	56
8	64

X	
12	1
24	2
36	3

Reteach	Worksheet A	Worksheet B	Worksheet C

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2-2 Translate between Words and Math (Page 52)

Operation	+ Addition	- Subtraction	X Multiplication	÷ Division
Numerical Expression	**37 + 28**	**90 – 12**	**8 · 48 or 8 · 48 or (8)(48) or 8(48) or (8)48**	**327 ÷ 3 or 327/3**
Words	• 28 **added to** 37 • 37 **plus** 28 • The **sum of** 37 and 28 • 28 **more than** 37	• 12 **subtracted from** 90 • 90 **minus** 12 • The **difference of** 90 and 12 • 12 **less than** 90 • **Take away** 12 from 90	• 8 **times** 48 • 48 **multiplied by** 8 • The **product of** 8 and 48 • 8 **groups of** 48 •	• 327 **divided by** 3 • The **quotient of** 327 and 3
Algebraic Expression	**X + 28**	**K – 12**	**8 · W or (8)(W) or 8W**	**n ÷ 3 or n/3**
Words	• 28 **added to** X • X **plus** 28 • The **sum of** X and 28 • 28 **more than** X	• 12 **subtracted from** K • K **minus** 12 • The **difference of** K and 12 • 12 **less than** K • **Take away** 12 from K	• 8 **times** W • W **multiplied by** 8 • The **product of** 8 and W • 8 **groups of** W	• N **divided by** 3 • The **quotient of** N and 3

Translating words into math:

Ex #1) 287 plus 932 Ex # 2) b divided by 14 Ex # 3) the product of 15 and X

Translating math into words:

Ex #1) A – 45 Ex # 3) (34)(7) Ex # 3) R + 87

Reteach	Worksheet A	Worksheet B	Worksheet C

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2-3 Equations and Their Solutions (Page 58)

Determine solutions of equations: Plug in the value for the variable and find out if both sides of the equations are equal. If they are, then the given value of the variable is a solution. If not, you may have made a mathematical error or the given value is incorrect.

Ex # 1) A + 23 = 82 for A = 61

61 + 23 = 82

84 = 82 Does not equal

Ex # 2) 60 ÷ C = 6 for C = 10

60 ÷ 10 = 6

6 = 6

Ex # 3) 85 = 194 – A for A = 105

Ex # 4) 15X = 75 for X = 5

Reteach	Worksheet A	Worksheet B	Worksheet C

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2-4 Solving Addition Equations (Page 62)

Solving algebraic expressions: Perform the inverse operation. **Use Subtraction**

Ex # 1) h + 14 = 82

Check:

Ex # 2) X + 62 = 93

Check:

Ex # 3) 81 = 17 + Y

Check:

Reteach	Worksheet A	Worksheet B	Worksheet C

Date _____

2-5 Solving Subtraction Equations (66)

Solving algebraic expressions: Perform the inverse operation. **Use Addition**

Ex # 1) P – 2 = 5 Ex # 2) 40 = X -11 Ex # 3) X – 56 = 19

Check: Check: Check:

Reteach	Practice A	Practice B	Practice C

Date _____

2-6 Solving Multiplication Equations (Page 69)

Solving algebraic expressions: Perform the inverse operation. **Use Division**

Ex # 1) 3x = 12 Ex # 2) 8 = 4w Ex # 3) 56 = 7B

Check: Check: Check:

Reteach	Worksheet A	Worksheet B	Worksheet C

Date _____

2-7 Solving Division Equations (Page 73)

Solving algebraic expressions: Perform the inverse operation. **Use Multiplication**

Ex # 1) $\frac{y}{5} = 4$ Ex # 2) $12 = \frac{z}{4}$ Ex # 3) $\frac{r}{9} = 7$

Check: Check: Check:

Reteach	Worksheet A	Worksheet B	Worksheet C