

Directions: Solve each problem.

$$32 \div (5 + 3) =$$

$$32 \div 8$$

$$4$$

$$[43 - (7 + 24)] \times 2 =$$

$$[43 - 31] \times 2$$

$$12 \times 2$$

$$24$$

$$\{7 + [(22 - 4) \div 3]\} \times 5 =$$

$$\{7 + [18 \div 3]\} \times 5$$

$$\{7 + 6\} \times 5$$

$$65$$

Insert parentheses to make the statement equal 9.

$$(29 + 16) \div 5 =$$

Insert parentheses to make the statement equal 44.

$$(6 + 5) \times (12 - 8) =$$

# Order of Operations

CCSS: 5.OA.A.1

I can use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.

Directions: Use order of operations rules to solve the following problems.

**Please - Parentheses**

**Excuse - Exponents**

**My - Multiplication**

**Dear - Division**

} From Left  
to Right

**Aunt - Addition**

**Sally - Subtraction**

} From Left  
to Right

$$18 \div 3 + 4 \times 6$$

$$6 + 4 \times 6$$

$$6 + 24$$

$$30$$

$$6^2 - 2 \times (5+6)$$

$$6^2 - 2 \times 11$$

$$36 - 2 \times 11$$

$$36 - 22$$

$$14$$

$$7 \times (9 - 6)$$

$$7 \times 3$$

$$21$$

# Order of Operations

CCSS: 5.OA.A.1

I can use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.

Directions: Use order of operations rules to solve the following problems.

$$16 \div 2 + 11$$

$$8 + 11$$

$$19$$

$$20 + 8 \div 2$$

$$20 + 4$$

$$24$$

$$(5 + 7) \times 3$$

$$12 \times 3$$

$$36$$

$$3 \times (30 - 22)$$

$$3 \times 8$$

$$24$$

# Order of Operations

CCSS: 5.OA.A.1

I can use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.

Directions: Use order of operations rules to solve the following problems.

$$12 + [(14 - 6) \div 4]$$

$$12 + [8 \div 4]$$

$$12 + 2$$

$$14$$

$$35 - \{4 \times [(16 - 8) \div 2]\}$$

$$35 - \{4 \times [8 \div 2]\}$$

$$35 - \{4 \times 4\}$$

$$35 - 16$$

$$19$$

$$40 - 5^2 \div (12 - 7)$$

$$40 - 5^2 \div 5$$

$$40 - 25 \div 5$$

$$40 - 5$$

$$35$$

$$3^2 \times 6 - 21 \div 3$$

$$9 \times 6 - 21 \div 3$$

$$54 - 21 \div 3$$

$$54 - 7$$

$$47$$

Directions: Solve each problem.

Write as a numerical expression.

**6 times the sum of 2 and 3**

$$\underline{6 \times (2 + 3)}$$

Write as a numerical expression.

**4 times the quotient of 27  
and 9**

$$\underline{4 \times (27 \div 9)}$$

Write as a numerical expression.

**the product of the  
quantities 8 minus 2 and 4  
plus 5**

$$\underline{(8 - 2) \times (4 + 5)}$$

Write the numerical  
expression in words.

$$24 \div (21 - 17)$$

**24 divided by the  
difference of 21 and 17**

Write the numerical expression in words.

$$[3 \times (5 + 3)] - 18$$

**3 times the sum of 5 and 3, minus 18**

# Order of Operations

CCSS: 5.OA.A.2

I can write and interpret numerical expressions.

Directions: Write the following as a numerical expression and solve.

3 times the sum of 2 and 5

$$3 \times (2 + 5)$$

$$3 \times 7$$

$$21$$

4 times the difference between 12 and 6

$$4 \times (12 - 6)$$

$$4 \times 6$$

$$24$$

Directions: Solve each problem.

Identify the operation performed on X to get Y.

RULE: Multiply by 2

<b>X</b>	1	2	3	4
<b>Y</b>	2	4	6	8

Identify the operation performed on X to get Y.

RULE: Subtract by 3

<b>X</b>	12	11	10	9
<b>Y</b>	9	8	7	6

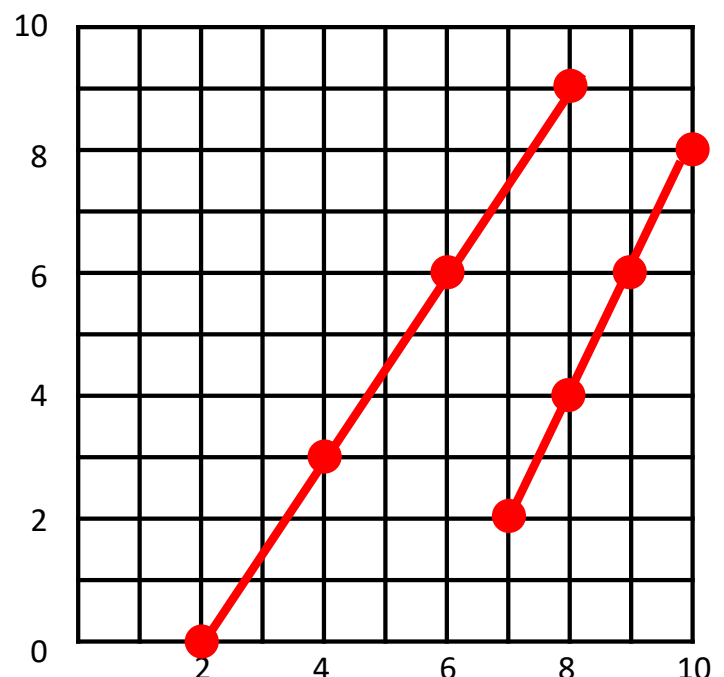
Generate ordered pairs in the form (x,y) and plot them on graph paper.

<b>X</b>	2	4	6	8
<b>Y</b>	0	3	6	9

**(2,0) (4,3) (6,6) (8,9)**

<b>X</b>	10	9	8	7
<b>Y</b>	8	6	4	2

**(10,8) (9,6) (8,4) (7,2)**



# Numerical Patterns, Ordered Pairs, & Graphing

CCSS: 5.OA.B.3

I can generate numerical patterns, form ordered pairs,  
and graph ordered pairs on a coordinate plane.

Add 3 to each  
term in the  
sequence to get  
the next term.

0

3

6

9

12

15

Add 6 to each  
term in the  
sequence to get  
the next term.

0

6

12

18

24

30

Generate ordered pairs using  
corresponding values from  
the sequences.

( x , y )

( 0 , 0 )

( 3 , 6 )

( 6 , 12 )

( 9 , 18 )

( 12 , 24 )

( 15 , 30 )

Plot the ordered pairs on  
the graph at right.

Identify the relationship  
between the two series.

Each term in the second series is  
twice the value of the corresponding  
term in the first series.

