

Name \_\_\_\_\_ Date \_\_\_\_\_ Teacher \_\_\_\_\_

**Order of Operations – Converting Phrases to Expressions**

**Fifth Grade Common Core Standard: CCSS.MATH.CONTENT.5.OA.A.1 & 2**

**Part A Directions: Convert the following phrases into numerical expressions. Use parenthesis, brackets, and braces where needed. Do not solve.**

1. Add ten and two then multiply by seven                      2. Add seven to the product of five and six

3. Multiply the quotient of ten and two by four                      4. Add the product of four and two to the quotient of twenty and six

5. Subtract the product of five and seven from quotient of a 100 and two                      6. Divide the sum of nine and nine by the product of three and three

**Part B: Convert the following numerical expressions into phrases using words.**

7.  $(16 + 4) - (4 \times 2)$                       8.  $7 \times 9 - (5 + 6)$

**Part C: Convert the following phrases into numerical expressions and match to the corresponding solution.**

\_\_\_\_\_ 9. Multiply the sum of four and six with the sum of five and seven                      A. 200

\_\_\_\_\_ 10. Add the product of ten and five with the product of four and two then subtract eight                      B. 120

\_\_\_\_\_ 11. Divide the sum of fifty and one hundred by the product of six and five then multiply by forty                      C. 50

# Answer Key

## Order of Operations – Converting Phrases to Expressions

Fifth Grade Common Core Standard: CCSS.MATH.CONTENT.5.OA.A.1&2

Part A Directions: Convert the following phrases into numerical expressions. Use parenthesis, brackets, and braces where needed. Do not solve. **Answers may vary**

2. Add ten and two then multiply by seven

$$(10+2) \times 7 \quad \text{or} \quad (10+2)7$$

2. Add seven to the product of five and six

$$(5 \times 6) + 7; 5 \times 6 + 7; \text{ or } (5)(6) + 7$$

3. Multiply the quotient of ten and two by four

$$(10 \div 2) \times 4 \text{ or } 4 \times (10 \div 2) \text{ or } 4(10 \div 2)$$

4. Add the product of four and two to the quotient of twenty and four

$$(4 \times 2) + (20 \div 4) \text{ or } (4)(2) + (20 \div 4)$$

5. Subtract the product of five and seven from quotient of a 100 and two

$$(100 \div 2) - (5 \times 7) \text{ or } (100 \div 2) - (5)(7)$$

6. Divide the sum of nine and nine by the product of three and three

$$(9 + 9) \div (3 \times 3) \text{ or } (9 + 9) / (3 \times 3)$$

Part B: Convert the following numerical expressions into phrases using words.

7.  $(16 + 4) - (4 \times 2)$

Subtract the sum of four and two from the sum of sixteen and four; Add sixteen and four then subtract the product of four and two; Find the sum of sixteen and four then subtract the product of four and two

8.  $7 \times 9 - (5 + 6)$

Find the product of seven and nine then subtract the sum of five and six; Multiply seven and nine then subtract the sum of five and six.

Part C: Convert the following phrases into numerical expressions and match to the corresponding solution.

\_\_\_ **B** \_\_\_ 9. Multiply the sum of four and six with the sum of five and seven  $(4+6) \times (5+7)$

A. 200

\_\_\_ **C** \_\_\_ 10. Add the product of ten and five with the product of four and two then subtract eight  $(10 \times 5) + (4 \times 2) - 8$

B. 120

\_\_\_ **A** \_\_\_ 11. Divide the sum of fifty and one hundred by the product of six and five then multiply by forty  $[(50+100) / (6 \times 5)] \times 40$

C. 50