Lesson 26 Problem Set

NYS COMMON CORE MATHEMATICS CURRICULUM

Name ____________________________ Date ________________

1. For each written phrase, write a numerical expression, and then evaluate your expression.
   
a. Three fifths of the sum of thirteen and six
   
   Numerical expression: [Fraction expression]
   
   Solution: [Evaluation]

   b. Subtract four thirds from one seventh of sixty-three.
   
   Numerical expression: [Expression with subtraction]
   
   Solution: [Evaluation]

   c. Six copies of the sum of nine fifths and three
   
   Numerical expression: [Expression with multiplication]
   
   Solution: [Evaluation]

   d. Three fourths of the product of four fifths and fifteen
   
   Numerical expression: [Expression with fractions and multiplication]
   
   Solution: [Evaluation]
2. Write at least 2 numerical expressions for each phrase below. Then, solve.
   a. Two thirds of eight

   b. One sixth of the product of four and nine

3. Use <, >, or = to make true number sentences without calculating. Explain your thinking.
   a. \(217 \times (42 + \frac{48}{5})\) \(\bigg\rangle\) \((217 \times 42) + \frac{48}{5}\)

   b. \((687 \times \frac{3}{16}) \times \frac{7}{12}\) \(\bigg\rangle\) \((687 \times \frac{3}{16}) \times \frac{3}{12}\)

   c. \(5 \times 3.76 + 5 \times 2.68\) \(\bigg\langle\) \(5 \times 6.99\)