**Uncertain Answers**

Mathematical expressions are simplified according to this **order of operations**.

• Parentheses

• Exponents

• Multiplication and division (equal priority) from left to right

• Addition and subtraction (equal priority) from left to right

1. *Fix these equations*. None of these statements is correct as written.

Rewrite each, inserting parentheses in the expressions on the left so that the resulting statements are correct **equations**. Check your results with your calculator.

* 1. 12 - 8 · 2 + 7 = 36
  2. 8 - 15 + 6 ÷ 3 = 1
  3. 7 + 32 = 100
  4. 24 + 16 ÷ 8 - 4 = 10
  5. 20 ÷ 7 - 2 + 52 · 3 = 79

1. *What could it be?* Place parentheses in different places in these expressions to see how many different values you can make for each expression. Use your calculator to confirm your results. Find at least three values for each problem.
   1. 7 - 5 · 8 + 6 ÷ 2
   2. 4 + 9 - 6 ÷ 2 · 5 + 1
   3. 4 - 3 - 2 + 1
2. Create two more “1-2-3-4 expressions” to add to your class collection.