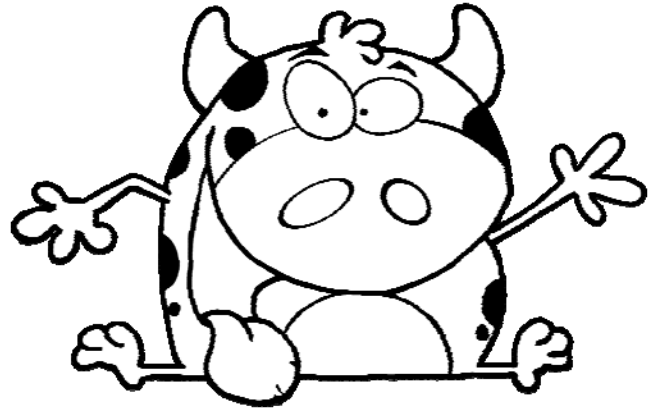# PEMDAS with Decimals Lesson

Simplify: $3.2 \div (5.7 - 4.9) \times 1.8$

Explanation: This lesson assumes that you understand the chain of PEMDAS

Step 1)   Parentheses : $3.2 \div \underline{(5.7 - 4.9)} \times 1.8$

$3.2 \div (0.8) \times 1.8$

This is where it gets tough. We have to remember that when we are deciding between processing a division operation and a multiplication operation, we always process these operations left to right.

Step 2)   Left to Right: $\underline{3.2 \div (0.8)} \times 1.8$

4×1.8

Step 3) Multiplication: $4 \times 1.8 = \mathbf{7.2}$