

Math 210 - Dr. Miller - HW #6(a): Correct Use of the Equals Sign

In each situation below, tell whether the O of O and all equals signs are used correctly in the number sentence(s). If not, rewrite the original information in two ways:

(A) as a SINGLE number sentence using grouping notation correctly

(B) as separate number sentences each using all notation correctly

1. In a “distant term” problem, I have to multiply 18 and 63 and then add that to 10.

$$18 \times 63 = 1134 + 10 = 1144$$

2. I'm working a Gauss' Trick problem and have to multiply 787 by 106, then divide by 2.

$$787 \times 106 \div 2 = 41711$$

3. I'm working another Gauss' Trick problem where I need to subtract 16 from 2391, then divide by 25 and add 1.

$$2391 - 16 = 2375 \div 25 = 95 + 1 = 96$$

4. In a problem-solving problem on an exam, I have to compute three products and then add them: 10 times 24, 100 times 2, and 2 times 3.

$$10 \times 24 + 100 \times 2 + 2 \times 3 = 240 + 200 = 440 + 6 = 446$$