

Helpful Hints for Unit O Chapter 4 Lessons 1 -- 3

Read the question carefully!

In all of these sections, it helps to understand what type of problem you are facing. Sum of two products $P1 + P2 = S$, difference of two products $P2 + D = P1$, or two equal products $P1 = P2$. Refer to the charts on the Unit O hints and helps sheet.

Lesson 1:

- In some of the problems you will use x in two different places. That happens whenever people travel at the same speed or for the same amount of time, when they invest the same amount of money, or there are the same number of coins.
- Other problems will say that the time, speed, investment, or coins have different values where one is more or less than the other. In these situations, iLearn wants you to leave one of the boxes blank. We have gotten them to accept answers where the correct expression for the different value is put into the equation box. **Remember: they do NOT want number values in all the boxes. They are looking for x in at least one box.**

Lesson 2:

- In this lesson reading is the key! They will ask you to write an **addition** expression every time. That means that you can NOT write $x - 2$ or any other number in the boxes. Be sure to put the x as the expression for the value you are asked to solve for in the question.

Lesson 3:

- There is a very important concept to understand in this lesson! It has to do with knowing the total value of something. Let's start with money. If you have \$25 and you put \$15 in your back left pocket and the rest in your backpack, you can figure out how much is in your wallet by *subtracting* what is in your pocket from what you have total. ($\$25 - \$15 = \$10$). Now let's say that you grab the \$25 off of your dresser in the dark and shove some in your pocket and the rest in your backpack without counting any of it. You could say that you have x dollars in your pocket and $25 - x$ dollars in your backpack. This is what they are asking for in the lesson. They want x in one box and *total* $- x$ in the other box.