Percentage Skill Guided Lesson Explanation

1. To find the percentage of a number we use the formula: P% x Total = Y

35% x 580 = Y

Convert 35% to a decimal by removing the percentage sign and dividing it by 100. 35/100 = 0.35. Then substitute this value into the equation:

0.35 x 580 = 203

2. We first need to calculate how many flyers she handed out and then we need to subtract that value from the number of flyers she started out with.

Step 1- How many did she hand out?

We would use the same method we used in the previous problem.
40% of 600 =
P% x Total = Y
40% x 600 = Y (Convert percentage to decimal: 40/100 = 0.4
0.4 x 600 = Y
240 = Y

Step 2) We know how many flyers we handed out (240). We need to subtract that value from our total (600).

600 – 240 = 360.

3. We can approach this problem several different ways. The quickest way is to determine the percentage of players that are Seniors. If we find the total percentage of players that are not Seniors and subtract that from 100%, we will know the percentage of players that are Seniors.

Freshman – 15%
Sophomores – 20%
Juniors – 35%

100% - (15% + 20% + 35%) = Percentage of Seniors

100% - 70% = 30%

Now that we know that 30% of the players are Seniors. We just need to find what 30% of the total number of players (60) is.

This brings us back to the same method we used on problem number 1.

30% of 60 =
P% x Total = Y
30% x 60 = Y (Convert percentage to decimal: 30/100 = 0.3
0.3 x 60 = Y
18 = Y

18 players are Seniors.