College Concepts HW #5 Percent Problems Review

Today’s assignment will review percent problems, such as “25 is 15% of what number?”

Let’ review what each word means in these problems:

%--divide any percent by 100 to get a decimal

What—implies the variable

Of-means to multiply

Is-means equals.

**Ex 1:** 25 is 15% of what number 🡪 25 = 0.15(x)

Now divide by 0.15 to solve for x and we get x = 166.67 for the answer (it repeats).

**Ex 2:** What percent of 60 is 45? 🡪 x \* 60 = 45

Now divide by 60 to solve for x and we get x = 45/60 x = 0.75.

For these problems, because they are asking for a percent, we then multiply by 100. X = 75% is the final answer.

**Ex 3:** What number is 30% of 70? 🡪 x = 0.30(70)

For this one, we just have to turn 30% into a decimal first, then multiply it by 70 to get the answer. No dividing is necessary. x = 21 is the answer.

**Please do these problems below for today’s homework.**

1. 32 is 50% of what number? 2. 360 is 12% of what number.

3. What percent of 40 is 14? 4. What percent of 28 is 7?

5. What number is 25% of 300? 6. What number is 40% of 75?