Name: .... Class: ....

Number sequences involving decimals

Complete the following sequences involving decimals

a.   0.5, 0.6, 0.7, _____, _____, 1.0, _____, _____

b.   4.15, 4.1, 4.05, _____, _____, _____, _____

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Name: .... Class: ....

Number sequences involving decimals

Complete the following sequences involving decimals

a. 0.5, 0.6, 0.7, __0.8__, __0.9__, 1.0, __1.1__, __1.2__

Let's first of all try to figure out the rule.
You see that the sequence is increasing. So, the rule must be to Add a certain value to the numbers.
Let's try to subtract two consecutive numbers to find the rule.
0.6 - 0.5 = 0.1 and 0.7 - 0.6 = 0.1
You see that, when we subtracted 0.5 from 0.6 and 0.6 from 0.7, we got a common result, 0.1
So, the rule is Add 0.1
To find the missing numbers, we have to add 0.1 to the number before the missing number.
We have;
0.5, 0.6, 0.7, __0.8__, __0.9__, 1.0, __1.1__, __1.2__

> Therefore the complete sequence is 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.1, 1.2

b. 4.15, 4.1, 4.05, __4.0__, __3.95__, __3.9__, __3.85__

Let's first of all try to figure out the rule.
You see that the sequence is decreasing. So, the rule must be to Subtract a certain value to the numbers. Let's try to subtract two consecutive numbers to find the rule.
4.15 - 4.1 = 0.05 and 4.1 - 4.05 = 0.05
You see that, when we subtract 4.1 from 4.15 and 4.05 from 4.1, we got a common value, 0.05
So, the rule is Subtract 0.05
To find the missing numbers, we have to subtract 0.05 to the number before the missing number.
We have;
4.15, 4.1, 4.05, __4.0__, __3.95__, __3.9__, __3.85__

> Therefore the complete sequence is 4.15, 4.1, 4.05, 4.0, 3.95, 3.9, 3.85