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

Graph decimals on number lines

Find the values of the unknowns on the number lines below

a.

0.9   U   1.0

b.

1.20   T   1.30

c.

0.01   V   0.1

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Graph decimals on number lines

Find the values of the unknowns on the number lines below

a.

$\longleftarrow$ | | | | | | | | | | | $\longrightarrow$
0.9   U   1.0

You see that, the number line has a range from 0.9 to 1.0.
Now, let's find the measure of each interval on the number line. The number line is divided into 10 equal intervals. Each interval shows a measure of 0.1
So, let's add 0.1 to the first point on the number line to get the second point and 0.1 to the second point to get the third point and so on...

0.96
+0.1 +0.1
0.9 0.91 0.92 0.93 0.94 0.95 U 0.97 0.98 0.99 1.0
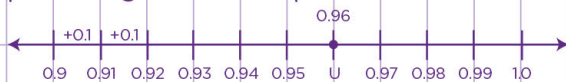
You see that, the decimal number at U is equal to 0.96

Therefore, U = 0.96

b.

$\longleftarrow$ | | | | | | | | | | | $\longrightarrow$
1.20   T   1.30

You see that, the number line has a range from 1.20 to 1.30
Now, let's find the measure of each interval on the number line. The number line is divided into 10 equal intervals. Each interval shows a measure of 0.01
So, let's add 0.01 to the first point on the number line to get the second point and 0.01 to the second point to get the third point and so on...

1.29
+0.01 +0.01
1.20 1.21 1.22 1.23 1.24 1.25 1.26 1.27 1.28 T 1.30

You see that, the decimal number at T is equal to 1.29

Therefore, T = 1.29

c.

$\longleftarrow$ | | | | | | | | | | | $\longrightarrow$
0.01   V   0.1

You see that, the number line has a range from 0.01 to 0.1

0.07
+0.01 +0.01 +0.01
0.01 0.02 0.03 0.04 0.05 0.06 V 0.08 0.09 0.1

You see that, the decimal number at V is equal to 0.07

Therefore, V = 0.07