Visualize Decimals - Guided Lesson Explanation
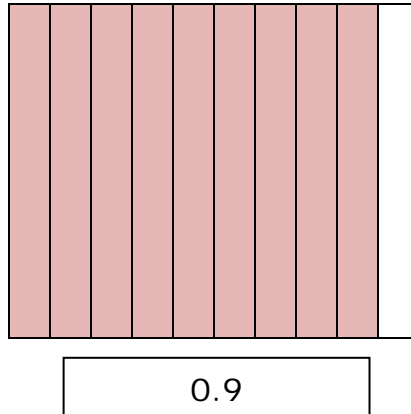
For problems #1 and #2 we can easily see that we are given models that have ten divisions or units.
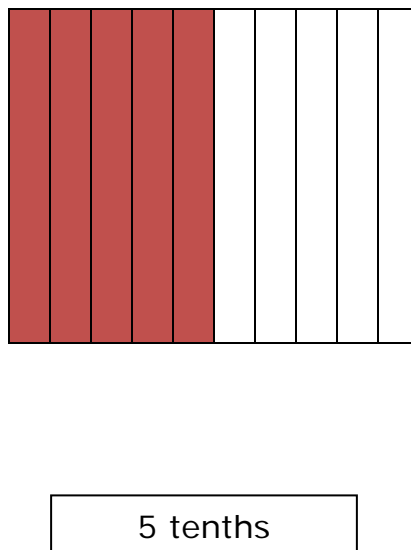
Explanation#1

Since we have a decimal in tenths, we would just need to fill up the figure with color of number of tenths units it has. In this case 9 of the 10 units.

0.9

Explanation#2

Realize that 5 tenths is equal to 0.5.

Working just like the previous problem, we recognize that we have 5 out of 10 units filled.

5 tenths

Explanation#3

There are 100 squares. There are 25 colored squares. This picture shows 25 hundredths.

So, the answer is 25 hundredths.

This can also be written as 0.25

We can use a decimal point and place value to show tenths and hundredths.