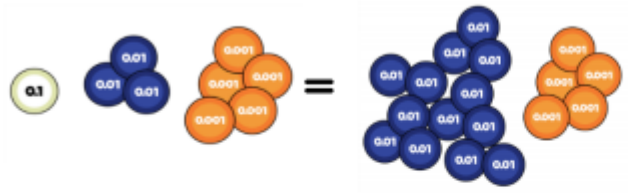
Tim thinks the 2 values below are equal.



Do you agree?
Explain your thinking.
Can you write each amount as a decimal and a fraction?

Can you represent Tim's amount in at least three different ways?

Possible answers

$0.135 = \frac{1}{10} + \frac{30}{1000} + \frac{5}{1000}$

$0.135 = \frac{100}{1000} + \frac{30}{1000} + \frac{5}{1000}$

$0.135 = \frac{13}{100} + \frac{5}{1000}$

Yes Tim is correct, in the first image, he has 0.1 + 0.03 + 0.005.

In the second image he has 0.13 + 0.005.

The 13 blue counters make up 13 hundredths which is the same as 1 tenth and 3 hundredths.

0.394

= 3 tenths, 9 hundredths and 4 thousandths

$= \frac{3}{10} + \frac{9}{100} + \frac{4}{1000}$

= 0.3 + 0.09 + 0.004

Can you write three other ways of saying the numbers below?

0.472 0.529 0.307

0.472 = 4 tenths, seven hundredths and 2 thousandths $= \frac{4}{10} + \frac{7}{100} + \frac{2}{1000} =$ 0.4 + 0.07 + 0.002

0.529 = 5 tenths, two hundredths and 9 thousandths $= \frac{5}{10} + \frac{2}{100} + \frac{9}{1000} =$ 0.5 + 0.02 + 0.009

0.307 = 3 tenths and 7 thousandths $= \frac{3}{10} + \frac{7}{1000} =$ 0.3 + 0.007