19.1.21

LO: Expressing Decimals as Fractions

Remember, when converting from decimals to fractions, make use of the place value markings so you know the value of each digit:

		T	O	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$

1. Copy and complete this table

Decimal	Fraction in tenths or hundredths	Simplified fraction
0.6		
0.92		
0.1 0.1 0.1		
0.25		
0.5		
0.66		
1.24		

2. Fill in the missing numbers.

a) $0.54 = \frac{\square}{100} = \frac{\square}{50}$

b) $0.6 = \frac{\square}{10} = \frac{\square}{5}$

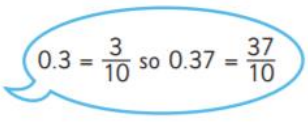
c) $0.3 = \frac{\square}{10} = \frac{\square}{100}$

d) $\frac{\square}{} = \frac{9}{100}$

e) $\frac{\square}{} = \frac{9}{10}$

f) $\frac{21}{50} = \frac{\square}{100} = \frac{\square}{}$

3.



Draw a diagram to show that Ron is wrong.

Extension

Devise a calculation that you believe would be easier to work out as fractions than as decimals. Show how you would convert the decimals and convince me that it is easier.