To order numbers with decimals
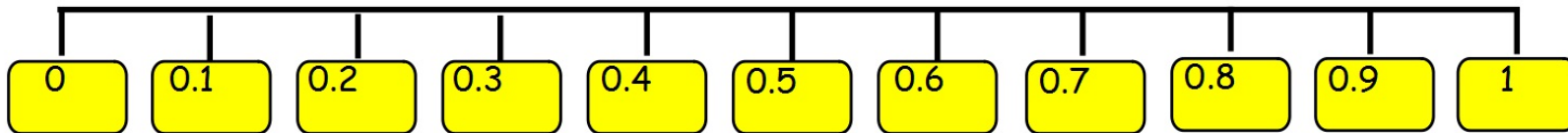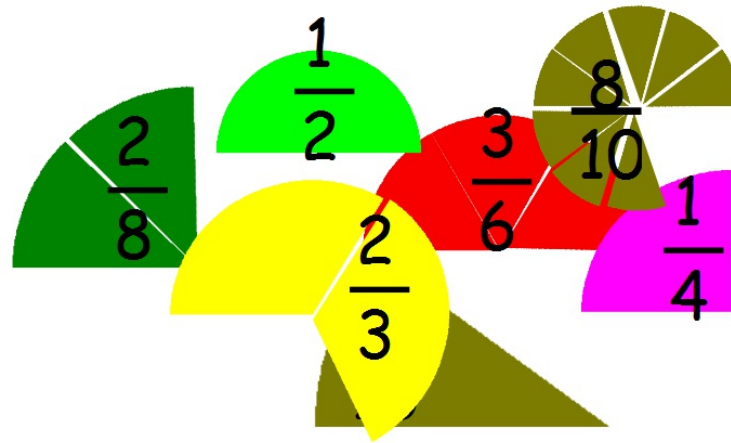
Steps to Success

1) I can count in decimals 0.1 to 1

2) I can put decimals in order

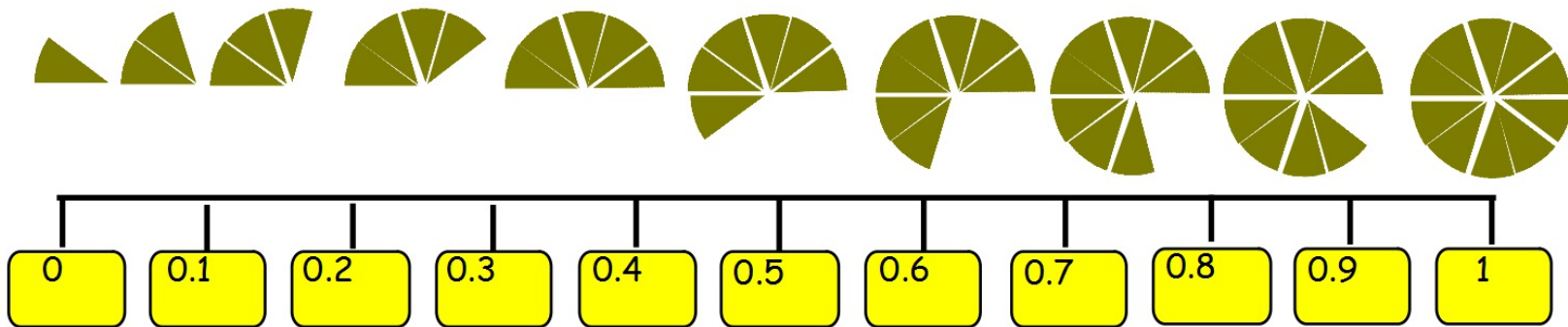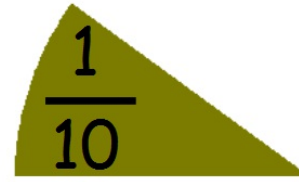# Count in steps of 0.1

Count in steps of 0.1 starting at a whole number.

Where do these fractions go on the decimal line?

$\frac{2}{8}$ $\frac{1}{2}$ $\frac{3}{6}$ $\frac{8}{10}$ $\frac{1}{4}$ $\frac{2}{3}$

| 0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1 |

Decimals work in tenths. $\frac{1}{10}$

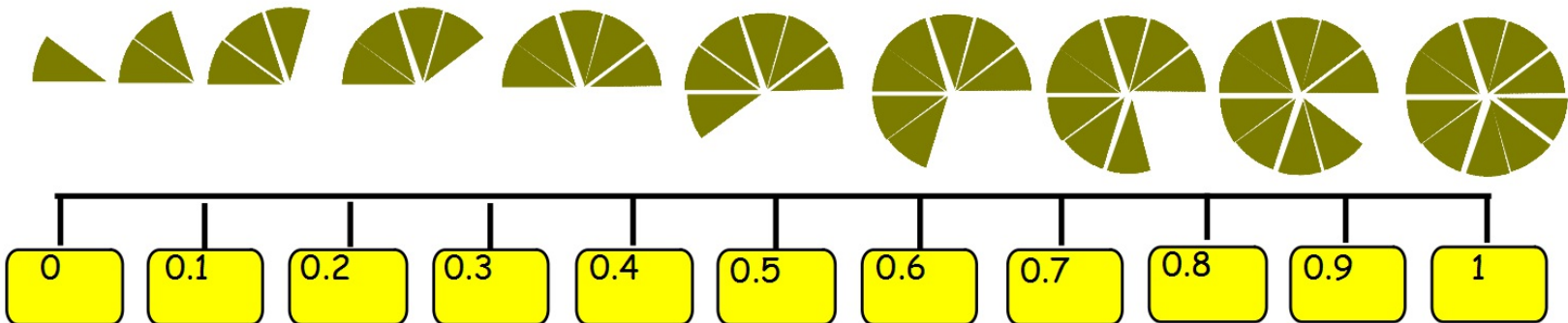| 0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1 |

H T U . $\frac{1}{10}$

It takes 10 hundredths to make a tenth. $\frac{10}{100} = \frac{1}{10}$

Then $\frac{1}{100}$

And 100 hundredths to make 1. $\frac{100}{100} = 1$

| 0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1 |

H T U . $\frac{1}{10}$ $\frac{1}{100}$

| 0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1 |
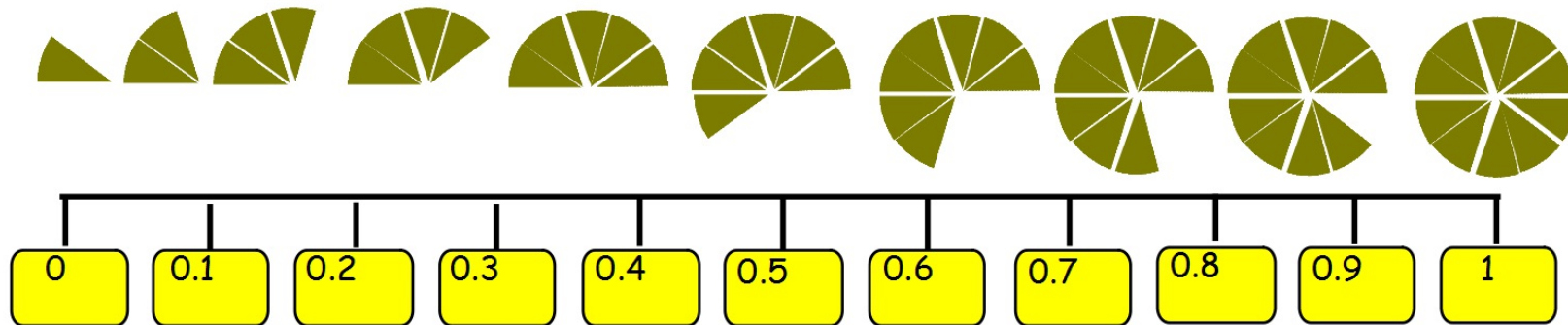
$$H \; T \; U \; . \; \frac{1}{10} \; \frac{1}{100}$$

So, when ordering, always start at the biggest number (eg hundreds H). If it is the same, move to the next number. Remember, TENTHS are bigger than HUNDREDTHS.

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Try this website and order some decimals...

http://www.ngfl-cymru.org.uk/vtc/phase4_20030829/Mathematics/Keystage2/Numbers/Anintroductiont/Introduction/default.htm