20.1.21

LO: Expressing fractions as decimals (if the denominator is a factor of a power of 10)

Convert these fractions to an equivalent fraction with a denominator of 10 or 100 and then give the answer as a decimal.

Korma	Madras/Vindaloo
1. $\frac{1}{2}$	1. $\frac{3}{4}$
2. $\frac{2}{5}$	2. $\frac{6}{200}$
3. $\frac{6}{20}$	3. $\frac{7}{20}$
4. $\frac{4}{5}$	4. $\frac{8}{25}$
5. $\frac{32}{50}$	5. $\frac{216}{300}$
6. $\frac{120}{200}$	6. $\frac{820}{2000}$

7 Use this knowledge to prove if it is true or false that $0.3 > \frac{1}{4}$

8 Tommy, Alex and Eva are working out the decimal equivalent of $\frac{60}{200}$

You need to convert it to have a denominator of 100 to find the decimal equivalent.

Tommy

I disagree. You need to convert it to have a denominator of 1,000

Alex

Both of you are right!

Eva

Who do you agree with? _____
Explain your thinking.

_____

_____

_____

9 0.5 is equivalent to $\frac{1}{2}$, $\frac{5}{10}$, $\frac{50}{100}$

Are these the only fractions that are equivalent to 0.5?

How many fractions can you find?