

Y5 Maths 2/3/21

WALT: establish decimal equivalents of fractions with denominators of 20, 25 and 50.

Do it:

Complete the table:

Fraction	Decimal
$\frac{4}{20}$	0.20
$\frac{20}{50}$	0.40
$\frac{7}{25}$	0.28
$\frac{5}{20}$	0.25
$\frac{32}{50}$	0.64

2) True or false?

a)  $\frac{5}{25} = 0.25$   
          25       false

b)  $\frac{13}{50} = 0.26$   
          50       true

c)  $\frac{19}{20} = 0.95$   
          20       true

Secure it:

Colin thinks that both  $\frac{35}{50}$  and  $\frac{35}{100} = 0.35$  Explain why Colin is incorrect.

Colin is incorrect because he hasn't considered the different denominators.  $\frac{35}{100} = 0.35$

but  $\frac{35}{50}$  needs to be doubled to get  $\frac{70}{100}$  which would look like this 0.70 or 0.7

Deepen it:

Use the denominators of 20, 25, 50, 10 and 100 to find as many fraction equivalents as you can for the following decimals:

a) 0.6     $\frac{6}{10}$      $\frac{60}{100}$      $\frac{30}{50}$      $\frac{15}{25}$      $\frac{12}{20}$

b) 0.3     $\frac{3}{10}$      $\frac{30}{100}$      $\frac{15}{50}$      $\frac{6}{20}$

c) 0.5 5 50 10  
10 100 20