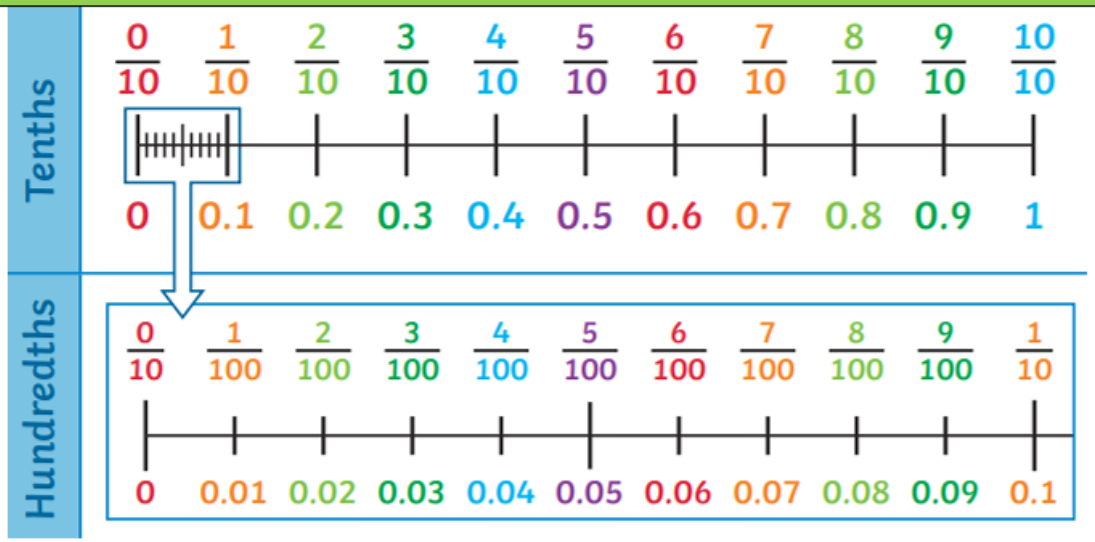
Year 4 Decimals

Key Vocabulary
tenths
hundredths
decimal tenths
decimal hundredths
decimal equivalents
part-whole model
rounding
decimal point
place value

Tenths and Hundredths



Fraction and Decimal Equivalents

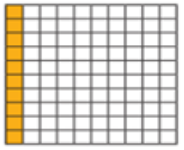
 = $\frac{1}{2}$ = 0.5

 = $\frac{1}{4}$ = 0.25

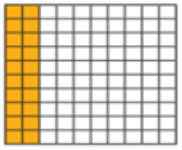
 = $\frac{3}{4}$ = 0.75

 = $\frac{1}{10}$ = 0.1

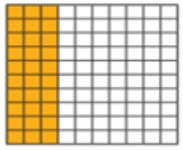
Tenths and Hundredths Decimal Equivalents



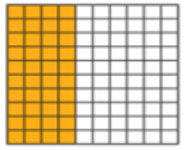
$\frac{1}{10} = \frac{10}{100} = 0.1$



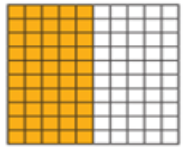
$\frac{2}{10} = \frac{20}{100} = 0.2$



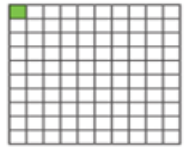
$\frac{3}{10} = \frac{30}{100} = 0.3$



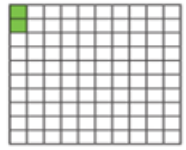
$\frac{4}{10} = \frac{40}{100} = 0.4$



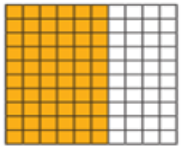
$\frac{5}{10} = \frac{50}{100} = 0.5$



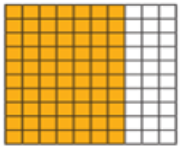
$\frac{1}{100} = 0.01$



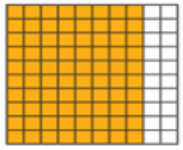
$\frac{2}{100} = 0.02$



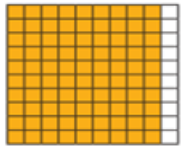
$\frac{6}{10} = \frac{60}{100} = 0.6$



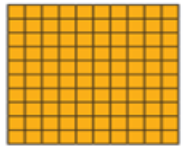
$\frac{7}{10} = \frac{70}{100} = 0.7$



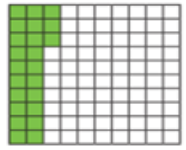
$\frac{8}{10} = \frac{80}{100} = 0.8$



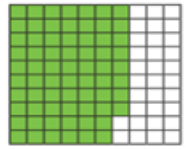
$\frac{9}{10} = \frac{90}{100} = 0.9$



$\frac{10}{10} = \frac{100}{100} = 1$



$\frac{23}{100} = 0.23$

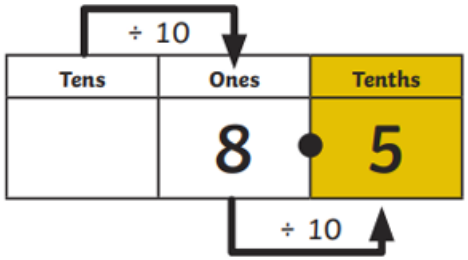


$\frac{68}{100} = 0.68$

Dividing by 10

Tens	Ones
8	5

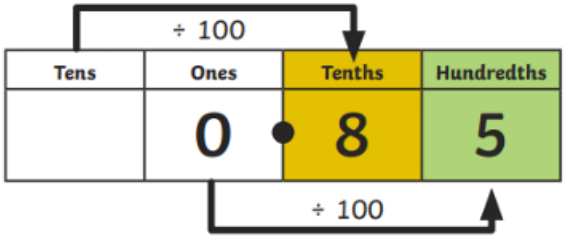
÷ 10



Dividing by 100

Tens	Ones
8	5

÷ 100

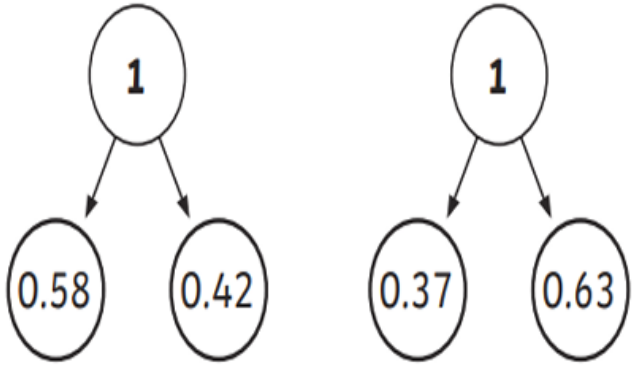


Rounding Decimals

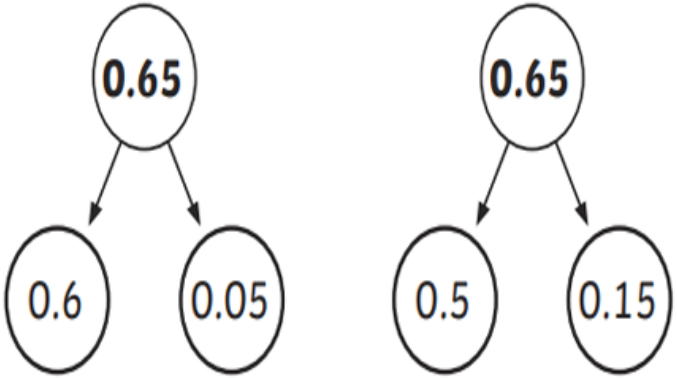
If the tenths digit is **1, 2, 3 or 4,** we round **down** to the nearest whole number.

If the tenths digit is **5, 6, 7, 8 or 9,** we round **up** to the nearest whole number.

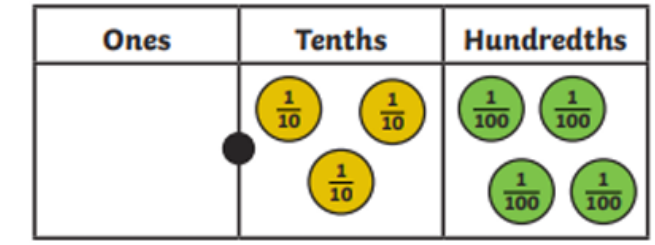
Make a Whole



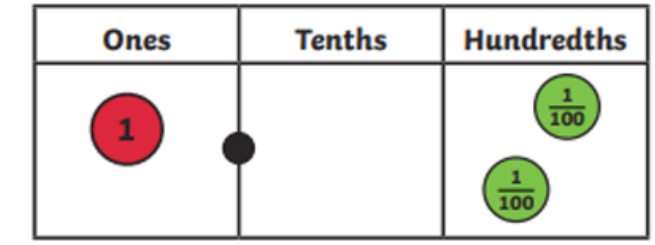
Partitioning Tenths and Hundredths



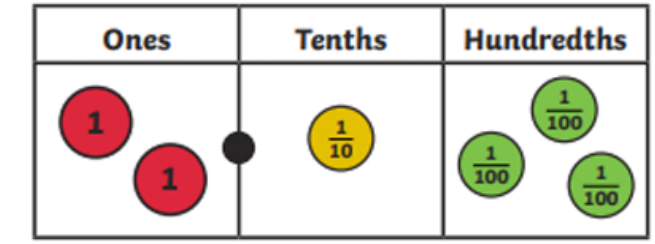
Comparing Numbers with Two Decimals Places



0 . 3 4



1 . 0 2



2 . 1 3