



Year 4 Decimals

Key Vocabulary	Tenths and Hundredths											
tenths	Tenths	$\frac{0}{10}$	$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$	$\frac{10}{10}$
hundredths												
decimal tenths												
decimal hundredths												
decimal equivalents												
part-whole model												
rounding												
decimal point												
place value												
		Hundredths	$\frac{0}{10}$	$\frac{1}{100}$	$\frac{2}{100}$	$\frac{3}{100}$	$\frac{4}{100}$	$\frac{5}{100}$	$\frac{6}{100}$	$\frac{7}{100}$	$\frac{8}{100}$	$\frac{9}{100}$
		0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.1

Fraction and Decimal Equivalents

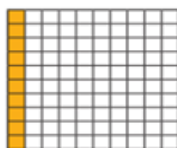
$$\text{Circle with 1/2 shaded} = \frac{1}{2} = 0.5$$

$$\text{Circle with 1/4 shaded} = \frac{1}{4} = 0.25$$

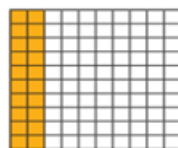
$$\text{Circle with 3/4 shaded} = \frac{3}{4} = 0.75$$

$$\text{Circle with 1/10 shaded} = \frac{1}{10} = 0.1$$

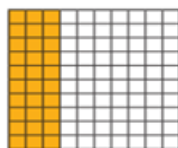
Tenths and Hundredths Decimal Equivalents



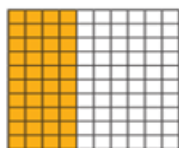
$$\frac{1}{10} = \frac{10}{100} = 0.1$$



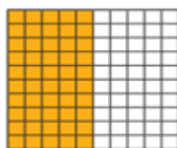
$$\frac{2}{10} = \frac{20}{100} = 0.2$$



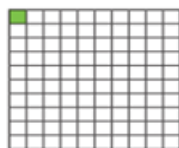
$$\frac{3}{10} = \frac{30}{100} = 0.3$$



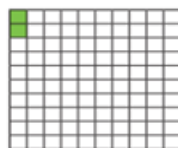
$$\frac{4}{10} = \frac{40}{100} = 0.4$$



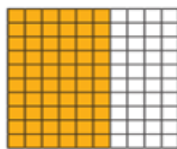
$$\frac{5}{10} = \frac{50}{100} = 0.5$$



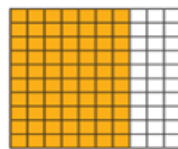
$$\frac{1}{100} = 0.01$$



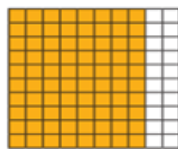
$$\frac{2}{100} = 0.02$$



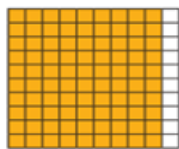
$$\frac{6}{10} = \frac{60}{100} = 0.6$$



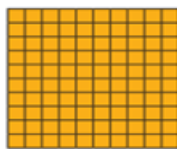
$$\frac{7}{10} = \frac{70}{100} = 0.7$$



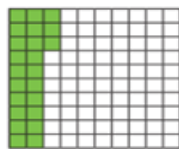
$$\frac{8}{10} = \frac{80}{100} = 0.8$$



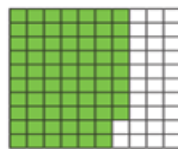
$$\frac{9}{10} = \frac{90}{100} = 0.9$$



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



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



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

Dividing by 10

Tens	Ones
8	5

 $\div 10$

Tens	Ones	Tenths
	8	5

Diagram illustrating the shift of digits when dividing by 10. An arrow labeled $\div 10$ points from the 8 in the Ones place to the 8 in the Tenths place. Another arrow labeled $\div 10$ points from the 5 in the Ones place to the 5 in the Tenths place. The Tenths column is highlighted in yellow.

Dividing by 100

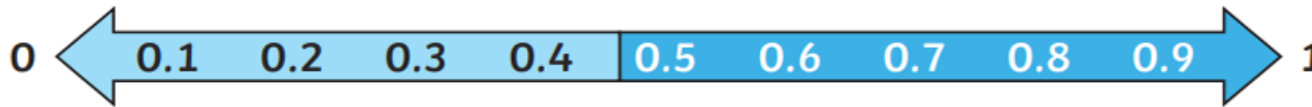
Tens	Ones
8	5

 $\div 100$

Tens	Ones	Tenths	Hundredths
	0	8	5

Diagram illustrating the shift of digits when dividing by 100. An arrow labeled $\div 100$ points from the 8 in the Tens place to the 8 in the Tenths place. Another arrow labeled $\div 100$ points from the 5 in the Ones place to the 5 in the Hundredths place. The Tenths column is highlighted in yellow and the Hundredths column is highlighted in light green.

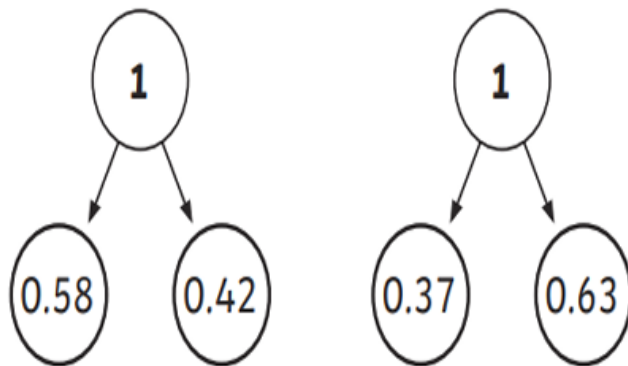
Rounding Decimals



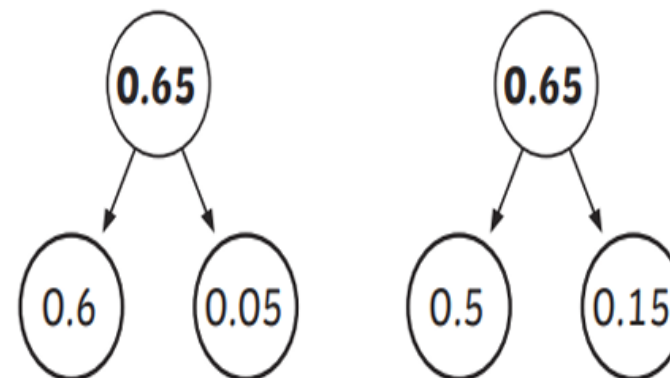
If the tenths digit is **1, 2, 3 or 4**, we round **down** to the nearest whole number.

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 Decimal Places

