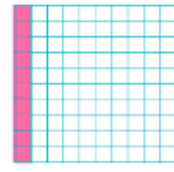


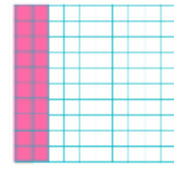
Year 4 Decimals

Fraction and Decimal Equivalents

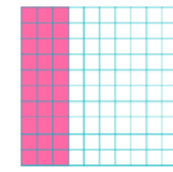
Key Vocabulary
half
quarter
third
three quarters
equal parts
tenths
hundredths
decimal equivalence
convert
numerator
denominator
decimal point
rounding



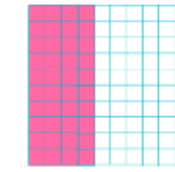
$$\frac{1}{10} = \frac{10}{100} = 0.1$$



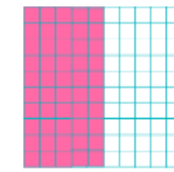
$$\frac{2}{10} = \frac{20}{100} = 0.2$$



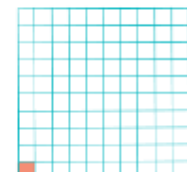
$$\frac{3}{10} = \frac{30}{100} = 0.3$$



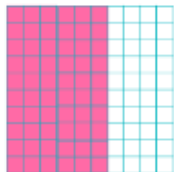
$$\frac{4}{10} = \frac{40}{100} = 0.4$$



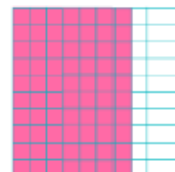
$$\frac{5}{10} = \frac{50}{100} = 0.5$$



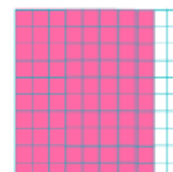
$$\frac{1}{100} = 0.01$$



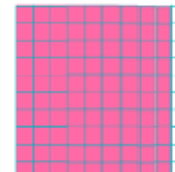
$$\frac{6}{10} = \frac{60}{100} = 0.6$$



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



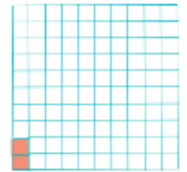
$$\frac{8}{10} = \frac{80}{100} = 0.8$$



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



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



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



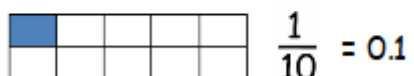
$$\frac{1}{4} = 0.25$$



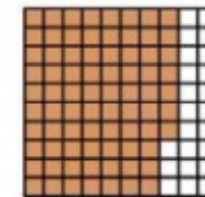
$$\frac{2}{4} = 0.5$$



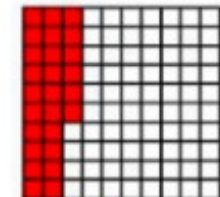
$$\frac{3}{4} = 0.75$$



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

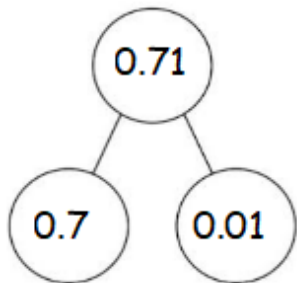


$$\frac{77}{100} = 0.77$$



$$\frac{26}{100} = 0.26$$

Partitioning Decimals



Year 4 Decimals

Dividing by 10 and 100

$$56 \div 10 = 5.6$$

Tens	Ones	Tenths	Hundredths
5	6		
	5	6	



10 has one zero so we move one place to the right.

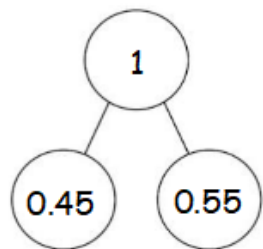
$$56 \div 100 = 0.56$$

Tens	Ones	Tenths	Hundredths
5	6		
	0	5	6

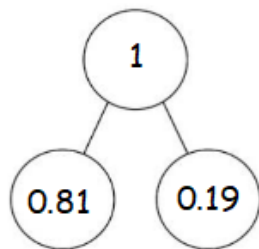


100 has two zeros so we move two places to the right. Remember the place holding zero!

Making a Whole

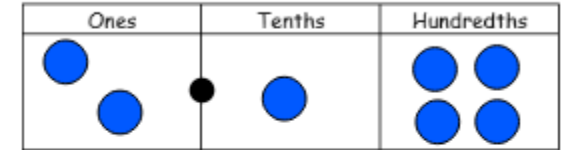
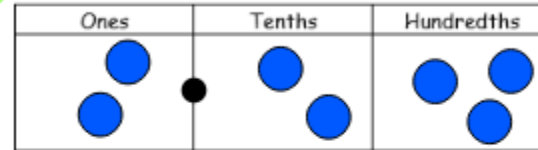


$$0.45 + 0.55 = 1$$

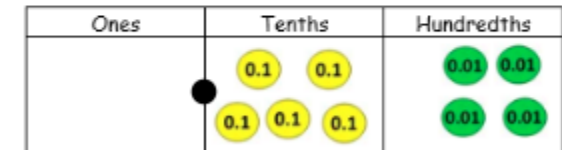


$$0.81 + 0.19 = 1$$

Comparing Numbers up to Two Decimal Places

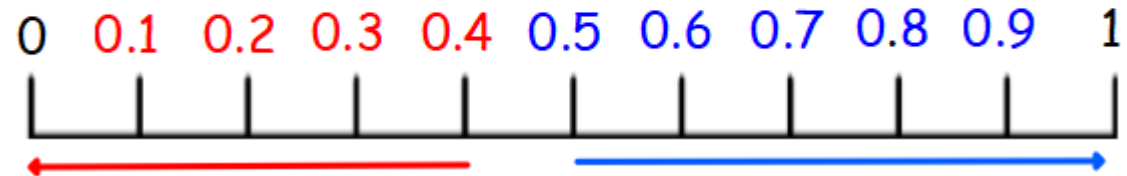


$$2.23 > 2.14$$



$$0.45 < 0.54$$

Rounding Decimals



We round down to the nearest whole number when the tenths digit is four or below.



We round up to the nearest whole number when the tenths digit is 5 or above.

