"I Can Find the Value of a Ratio as a Fraction, Decimal, or Percent."

Finding the Value of a Ratio

Convert the given ratio into a **fraction, decimal,** and **percent**.

Ratio	Fraction	Decimal	Percent
3 : 4			
10 : 16			
6 : 4			
8 : 1			

Write an equivalent ratio to the ratios given. Then find the value of each ratio as a **fraction** and a **decimal**.

	Fraction	Decimal		Fraction	Decimal
2 : 4			8 : 5		
_____			_____		
10 : 25			12 : 4		
_____			_____		

If two ratios are equivalent, then they have the _____

Complete the Following Table with Equivalent Values

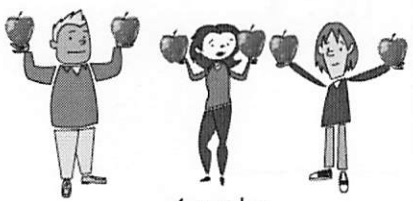
Ratio	Fraction	Decimal	Percent
		0.6	
	$\frac{3}{8}$		
			35%
10 : 5			
		2.75	
			4%
		1	

"I Can Calculate Unit Rate and Unit Price and Compare their Values to Interpret Real-World Situations."

Unit Rates

A **rate** is a ratio involving two quantities in different units.

Rate



$\frac{6 \text{ apples}}{3 \text{ people}}$

Unit Rate

2 apples per person

A rate for one unit of a given quantity is called the **unit rate**. When a unit rate is written as a fraction, the denominator is 1 unit. The "1" in a unit rate is read as "**per.**"

"I Can Find the Value of a Ratio as a Fraction, Decimal, or Percent."

Finding the Value of a Ratio

Convert the given ratio into a **fraction, decimal,** and **percent**.

Ratio	Fraction	Decimal	Percent
3 : 4	$\frac{3}{4}$	0.75	75%
10 : 16	$\frac{10}{16} \overset{\div 2}{=} \frac{5}{8}$	0.625	62.5%
6 : 4	$\frac{6}{4} = 1\frac{1}{2}$	1.5	150%
8 : 1	$\frac{8}{1} = 8$	8	800%

Write an equivalent ratio to the ratios given. Then find the value of each ratio as a **fraction** and a **decimal**.

	Fraction	Decimal		Fraction	Decimal
2 : 4	$\frac{1}{2}$	0.5	8 : 5	$\frac{8}{5}$	1.6
5 : 10	$\frac{5}{10} = \frac{1}{2}$	0.5	48 : 30	$\frac{48}{30}$	1.6
	Fraction	**Decimal**		**Fraction**	**Decimal**
10 : 25	$\frac{10}{25} = \frac{2}{5}$	0.4	12 : 4	$\frac{12}{4}$	3
50 : 125	$\frac{50}{125}$	0.4	36 : 12	$\frac{36}{12}$	3

If two ratios are equivalent, then they have the same decimal (value)

Complete the Following Table with Equivalent Values

Ratio	Fraction	Decimal	Percent
3:5	$\frac{6}{10} = \frac{3}{5}$	0.6 ×100	60%
3:8	$\frac{3}{8}$	0.375 ×100	37.5%
7:20	$\frac{35}{100} = \frac{7}{20}$	0.35 ÷100	35%
10:5	$\frac{10}{5} = 2$	2 ×100	200%
11:4	$2\frac{3}{4} = \frac{11}{4}$	2.75 ×100	275%
1:25	$\frac{4}{100} = \frac{1}{25}$	0.04 ÷100	4%
1:1	$\frac{1}{1}$	1 ×100	100

"I Can Calculate Unit Rate and Unit Price and Compare their Values to Interpret Real-World Situations."

Unit Rates

A **rate** is a ratio involving two quantities in different units.

Rate

$\frac{6 \text{ apples}}{3 \text{ people}}$

Unit Rate

2 apples per person

A rate for one unit of a given quantity is called the **unit rate**. When a unit rate is written as a fraction, the denominator is 1 unit. The "1" in a unit rate is read as "**per.**"