
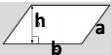




1. Area

	Rectangle	$l \times w$
	Parallelogram	$b \times h$
	Triangle	$\frac{b \times h}{2}$

2. Fraction

Fraction	
Denominator	<ul style="list-style-type: none"> Number on the bottom of a fraction Number of parts in a whole
Vinculum	<ul style="list-style-type: none"> Dividing line Represent division
Numerator	<ul style="list-style-type: none"> Number on top of a fraction Number of parts you have
Proper fraction	<ul style="list-style-type: none"> A fraction less than one The numerator is smaller than the denominator
Improper fraction	<ul style="list-style-type: none"> A fraction more than one The numerator is bigger than the denominator
Mixed Number	<ul style="list-style-type: none"> A number containing a whole number and a proper fraction

3. Common Conversions in FDP

Fraction	Decimal	Percentage
$\frac{1}{2}$	0.5	50%
$\frac{1}{4}$	0.25	25%
$\frac{3}{4}$	0.75	75%
$\frac{1}{8}$	0.125	12.5%
$\frac{1}{10}$	0.1	10%
$\frac{1}{5}$	0.2	20%
$\frac{2}{5}$	0.4	40%
$\frac{3}{5}$	0.6	60%
$\frac{4}{5}$	0.8	80%

4. Percentages

Percentage	Out of 100
Change a percentage to a fraction	Put over 100 and simplify
Change a percentages to a decimal	Divide by 100

5. Fraction Facts

Equivalent fractions	<ul style="list-style-type: none"> A fraction of the same value Multiply or divide the numerator and denominator by the same number.
Simplifying fractions	<ul style="list-style-type: none"> A fraction of the same value Divide by a common factor of the numerator and denominator until there are no more common factors
Multiplying fractions	<ul style="list-style-type: none"> Simplify first if possible Multiply the numerators Multiply the denominators Simplify
Dividing fractions	<ul style="list-style-type: none"> <u>Keep</u> the first fraction the same <u>Change</u> the division to a multiplication <u>Flip</u> the second fraction Solve the multiplication
Converting mixed numbers to improper fractions	<ul style="list-style-type: none"> Multiply whole number by denominator Add the answer to the numerator Put over the original denominator
Converting improper fractions to mixed numbers	<ul style="list-style-type: none"> Divide the numerator by the denominator The answer is the whole number The remainder is the new numerator The denominator stays the same

6. Definitions

Mean	An average calculated by finding the total of the numbers and then dividing by the amount of numbers there are.
Perimeter	The distance around the outside of a shape.
Area	The amount of space inside a two dimensional shape.