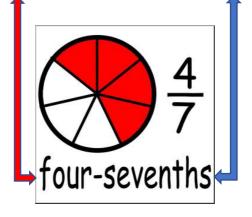
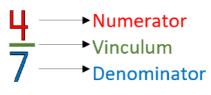
A fraction is a next of a whole

Fractions (common)

A fraction is a part of a whole

Named fractions are equal parts of a whole





4 parts out of 7 parts

Comparing fractions

Fraction Chart												
		$\frac{1}{2}$										
1/3				$\frac{1}{3}$				1/3				
<u> </u>				<u> </u>			<u> </u>			-1-		
<u> </u> 5			<u> </u>			$\frac{1}{5}$ $\frac{1}{5}$			<u>1</u> 5			
1/6		-6	1/6		$\frac{1}{6}$ $\frac{1}{6}$			$\frac{1}{6}$		- 6		
8		<u>8</u>	1 8		8	<u>8</u>		1 8	<u> </u>		8	
10	10	- -	0	10	10	10	10	- -	0	10	10	
1 12	1/2	1/12	1/2	1 12	1 12	1 12	1 12	1/12	1/12	1 12	1/12	
1 1	L	1	1	1	1 1	1	1	1	1			

Fraction	Word Name
$\frac{1}{2}$	one half
$\frac{1}{3}$	one third
$\frac{1}{4}$	one quarter
$\frac{1}{5}$	one fifth
$\frac{1}{6}$	one sixth
$\frac{1}{7}$	one seventh
$\frac{1}{8}$	one eighth
$\frac{1}{9}$	one ninth
$\frac{1}{10}$	one tenth

Equivalent Fractions

Equivalent fractions can be made using two operations: Multiplication or Division

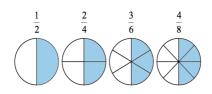
1) Multiplication:

Multiply both the numerator and denominator by the <u>SAME</u> number.

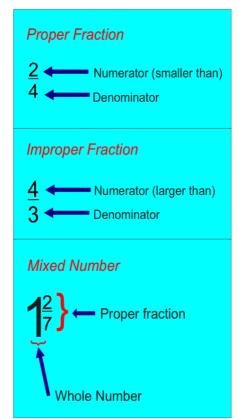
2) Division:

Divide both the numerator and denominator by the <u>SAME</u> number.

$$\frac{15 \div 3}{=} \frac{5}{18 \div 3} \frac{5}{6}$$



Types of common fractions



Divide the Numerator by the Denominator

Improper Fraction to Mixed Number

The remainder forms the proper fraction part of the mixed number.

$$Eg. \frac{8}{5} = 8 \div 5 = 5 \frac{8}{1r3} = 1\frac{3}{5}$$

Mixed Number to Improper Fraction

Multiply the Whole Number by the Denominator, then add the answer you get to the Numerator. Write that number over the denominator.

Eg.
$$2\frac{1}{4} = \underbrace{(2x4) + 1}_{4} = \frac{9}{4}$$