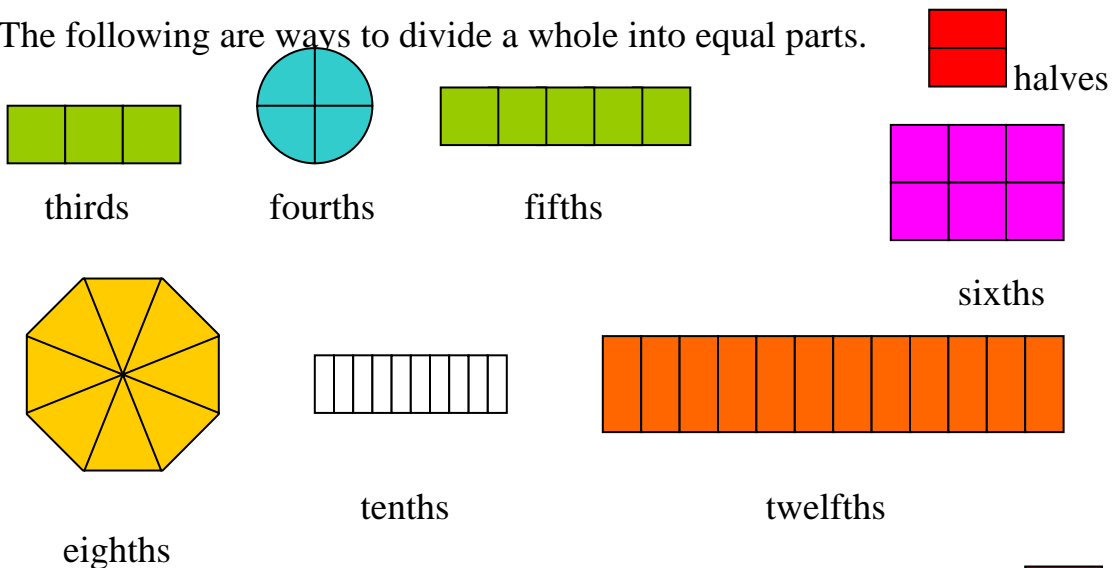


Mr. G.'s Math Marvels

Handout #29A

A **fraction** is a way of comparing equal parts to a whole. *Example:* $\frac{3}{4}$ is 3 equal parts out of 4 equal parts. $\frac{2}{5}$ is 2 equal parts out of 5 equal parts. The top number of a fraction is called the **numerator**. The bottom number of a fraction is called the **denominator**.

The following are ways to divide a whole into equal parts.



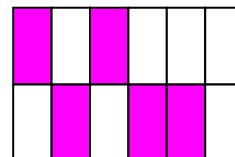
If one out of two equal parts is shaded, it is called $\frac{1}{2}$. (one half)



If two out of 3 equal parts are shaded, it is called $\frac{2}{3}$. (two thirds)



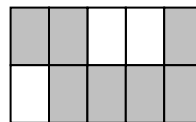
If 5 out of 12 equal parts are shaded, it is called $\frac{5}{12}$
(five twelfths)



Look at the shapes below and write the fraction for the part that has been shaded.





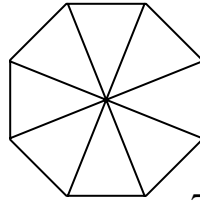




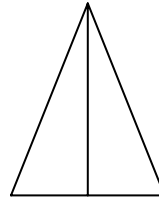
Look at the fraction under each shape and shade in that amount using your pencil or a crayon.



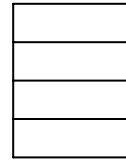
3/6



7/8

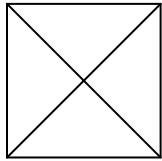


1/2

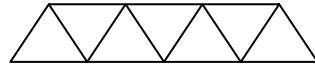


1/4

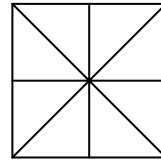
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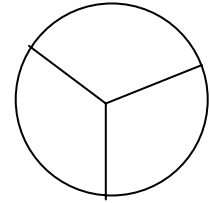
3/4



3/7



6/8



2/3

The top number of a fraction is called the _____.

The bottom number of a fraction is called the _____.

Fractions can easily be added together if they share a common denominator. Add the two numerators together and place the sum of the numerators back over the denominator.

The fractions below all have common denominators. Add them

$\frac{2}{5}$	$\frac{2}{8}$	$\frac{1}{9}$	$\frac{7}{12}$	$\frac{3}{7}$	$\frac{4}{11}$
$\frac{1}{5}$	$\frac{5}{8}$	$\frac{4}{9}$	$\frac{3}{12}$	$\frac{2}{7}$	$\frac{6}{11}$
_____	_____	_____	_____	_____	_____

$\frac{1}{6}$	$\frac{2}{9}$	$\frac{8}{12}$	$\frac{3}{8}$	$\frac{2}{3}$	$\frac{5}{10}$
$\frac{3}{6}$	$\frac{7}{9}$	$\frac{3}{12}$	$\frac{1}{8}$	$\frac{1}{3}$	$\frac{4}{10}$
_____	_____	_____	_____	_____	_____