



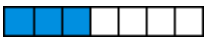




Understanding Fractions

Fractions are PARTS of a WHOLE. The WHOLE is **always** divided into EQUAL parts.

One part is colored; two equal parts; one half.	 $\frac{1}{2}$	Two parts are colored; two equal parts; two halves OR one whole.	 $\frac{2}{2} = 1$
One part is colored; four equal parts; one fourth.	 $\frac{1}{4}$	Two parts are colored; five equal parts; two fifths.	 $\frac{2}{5}$
Three colored parts; seven equal parts; three sevenths.	 $\frac{3}{7}$	Can you tell what fraction this is?	



The number ABOVE the line tells **HOW MANY PARTS** are colored. It *enumerates* or *counts* the colored parts.

The number BELOW the line tells **WHAT KIND OF PARTS** the whole is divided into. It *denominates* or *names* the parts.

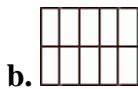
We use ordinal numbers to name the fractional parts.

$\frac{3}{8}$ NUMERATOR
DENOMINATOR
"three eighths"

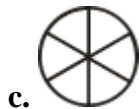
1. Color parts to illustrate the fraction.



$$\frac{7}{8}$$



$$\frac{6}{10}$$



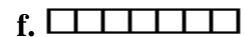
$$\frac{4}{6}$$



$$\frac{4}{5}$$



$$\frac{2}{4}$$



$$\frac{4}{7}$$



$$\frac{2}{6}$$



$$\frac{11}{12}$$



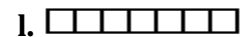
$$\frac{5}{9}$$



$$\frac{1}{5}$$


















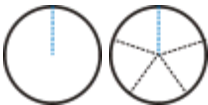


$$\frac{9}{10}$$




$$\frac{2}{7}$$

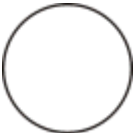
2. Write the fractions, and read them aloud.


a. 	b. 	c. 	d. 
e. 	f. 	g. 	h. 
i. 	j. 	k. 	l. 


How to draw pie models		
		
Halves: split the circle with a straight line.	Thirds: draw lines at 12 o'clock, 4 o'clock, and 8 o'clock.	Fourths: First draw halves, then split those like a cross pattern.
		
Fifths: Draw as a man doing jumping jacks.	Sixths: First draw thirds, then split those	Eighths: First draw fourths, then split those.


3. Draw the pie models and color the parts to illustrate the fractions.

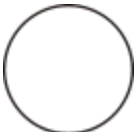
a. $\frac{2}{3}$ 

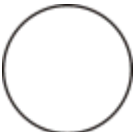
b. $\frac{2}{5}$ 

c. $\frac{1}{6}$ 

d. $\frac{6}{8}$ 

e. $\frac{4}{5}$ 

f. $\frac{3}{8}$ 

g. $\frac{1}{3}$ 

h. $\frac{4}{4}$ 