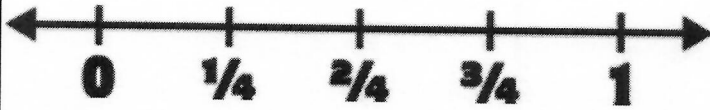


Fractions on Number Lines

Fractions can be represented on a number line.



The number line should be partitioned into the number of equal parts indicated by the denominator.



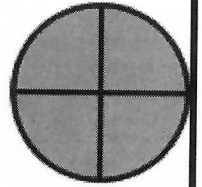
How many equal parts are represented by the number line above? _____

Fractions as Whole Numbers

Whole numbers can be written as fractions.

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

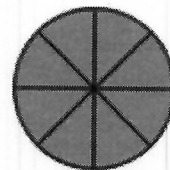
When the numerator is the same as the denominator, the fraction is equal to one whole.



When the denominator is one, it means there is one group. A fraction with a denominator of one is equal to the whole of the numerator.

$$\frac{4}{1}$$

How can I write this whole as a fraction?



Equivalent Fractions

Fractions that name the same part of the whole are equivalent fractions.

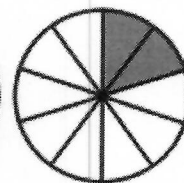
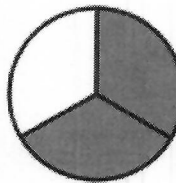
$\frac{1}{2}$		
$\frac{1}{4}$	$\frac{1}{4}$	
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

How many fourths are the same size as one-half?

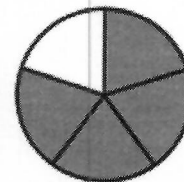
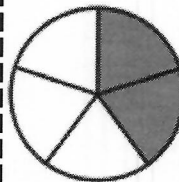
How many sixths are the same size as one-half?

Comparing Fractions

You can compare fractions when the two fractions refer to the same size whole.



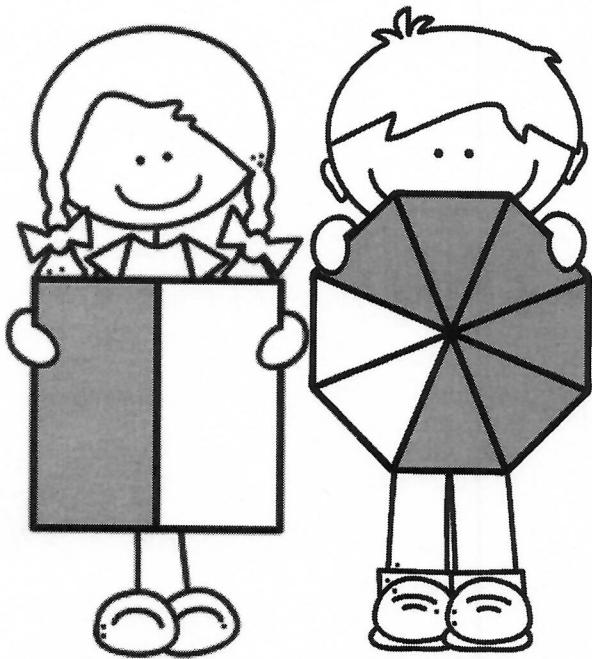
Circle the fraction that has the greatest part shaded in.



Circle the fraction that has the greatest part shaded in.

As the number of equal parts increases, what happens to the size of the denominator?

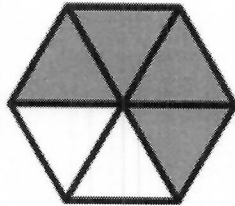
Fractions



By: _____

Fraction

A fraction is a number that represents an equal part of a whole or equal part of a set.



There are six total parts with four parts represented, so the fraction is four-sixths.

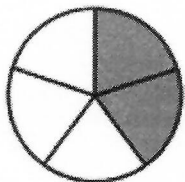
Write the number of pieces represented above the bar.

Write the total number of equal pieces below the bar.

Numerator

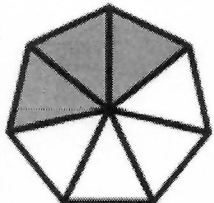
The numerator tells the number of equal parts being represented.

$$\frac{2}{5}$$



The numerator is two, so there are two equal parts represented in the fraction.

Circle the numerator in the fraction. $\frac{3}{4}$

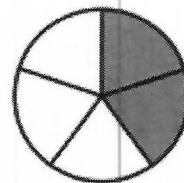


There are _____ pieces represented in the fraction, so the numerator is _____.

Denominator

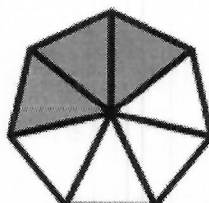
The denominator tells the total number of equal parts in the whole.

$$\frac{2}{5}$$



The denominator is five, so there are five equal parts in the fraction.

Circle the denominator in the fraction. $\frac{3}{4}$



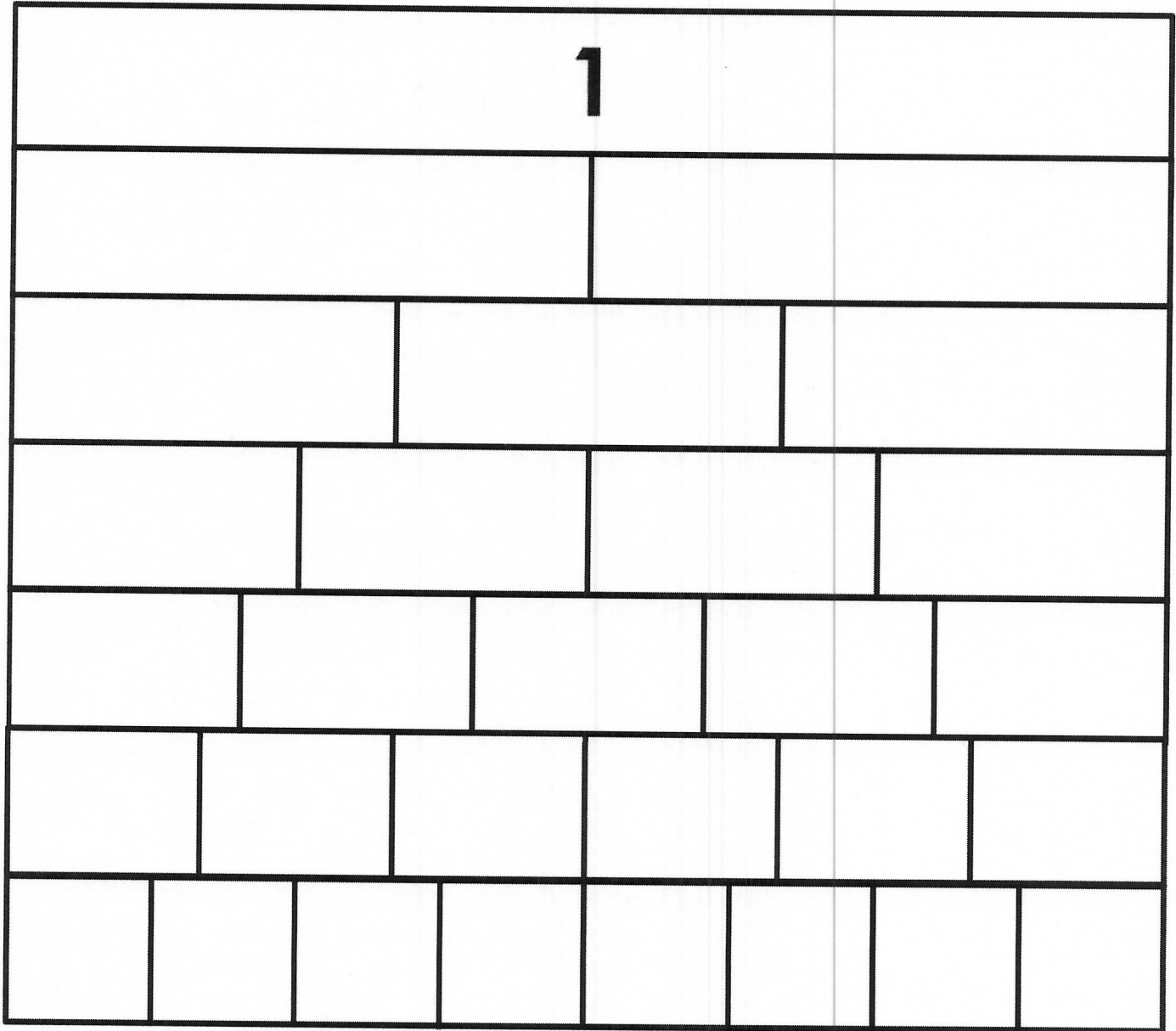
There are _____ total pieces in the fraction, so the denominator of the fraction is _____.

Name _____

Date _____

Label the fractions

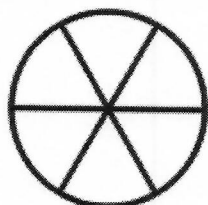
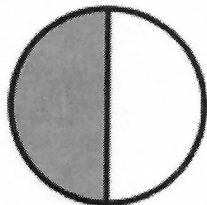
Label each section of the fraction bars below.
Remember, count the number of pieces to find the denominator.



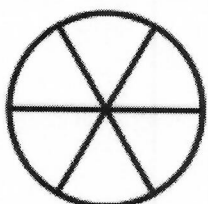
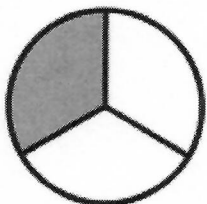
Name _____

Date _____

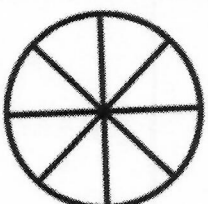
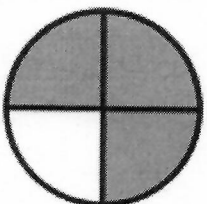
Shade and Name Equivalent Fractions Circles



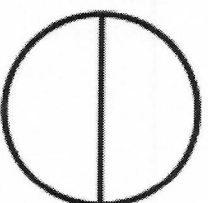
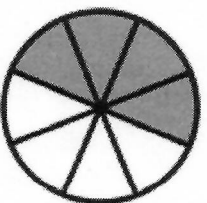
$$\underline{\quad} = \underline{\quad}$$



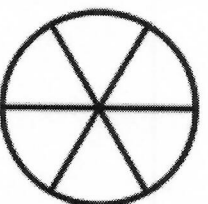
$$\underline{\quad} = \underline{\quad}$$



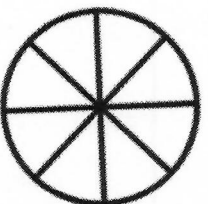
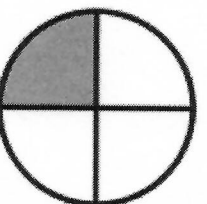
$$\underline{\quad} = \underline{\quad}$$



$$\underline{\quad} = \underline{\quad}$$



$$\underline{\quad} = \underline{\quad}$$



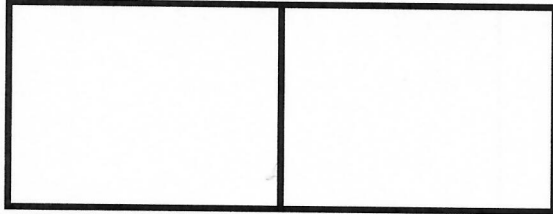
$$\underline{\quad} = \underline{\quad}$$

Name _____

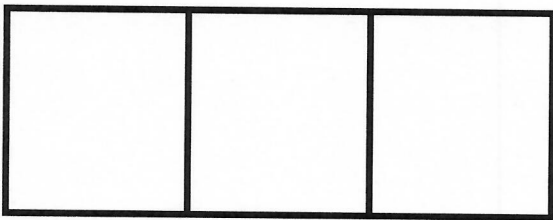
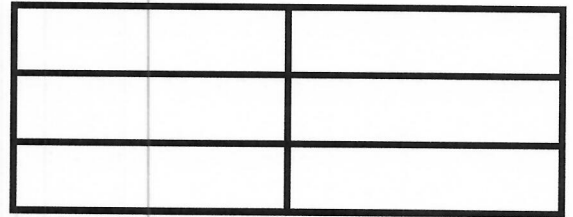
Date _____

building equivalent fractions

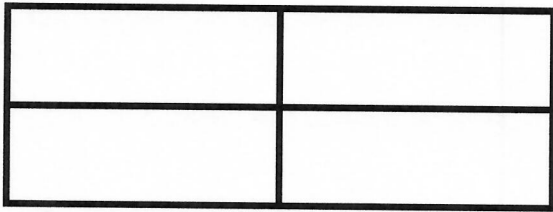
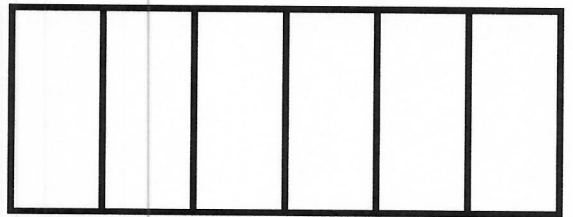
Shade in the rectangle to represent the fraction shown and fill in the equivalent fraction.



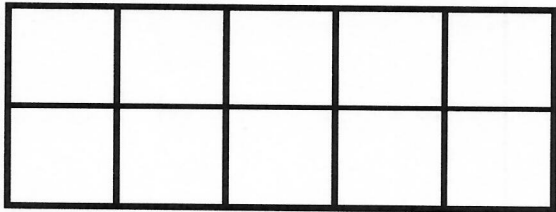
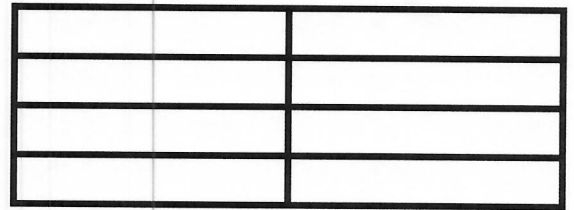
$$\frac{1}{2} =$$



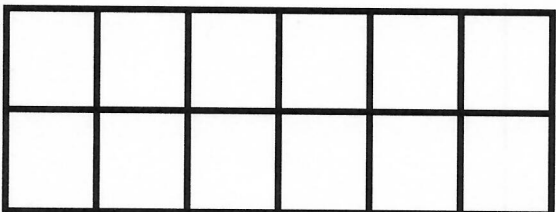
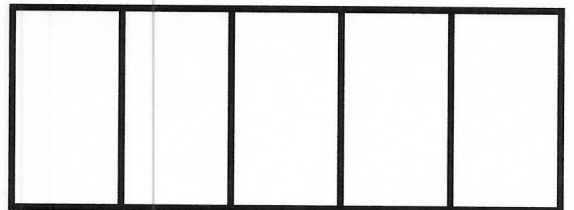
$$\frac{2}{3} =$$



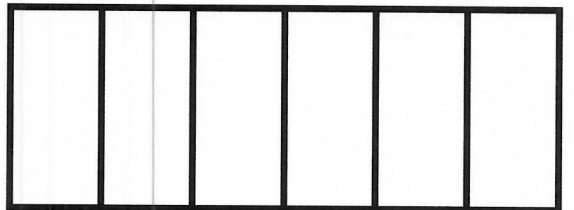
$$\frac{3}{4} =$$



$$\frac{4}{10} =$$



$$\frac{4}{12} =$$



How could you know the fractions above are equivalent if you did not have a model?

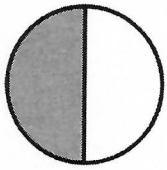
Name _____

Date _____

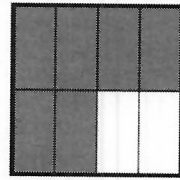
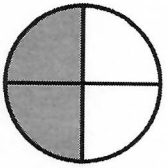
EQUIVALENT FRACTION MODELS

Shade in the rectangle to represent the fraction shown and fill in the equivalent fraction.

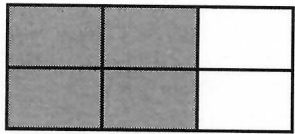
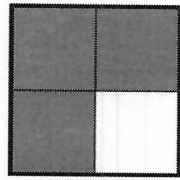
You draw the models to represent the fractions on the bottom two problems!



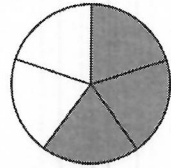
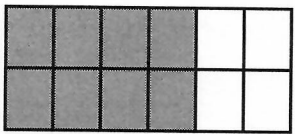
$$\underline{\quad} = \underline{\quad}$$



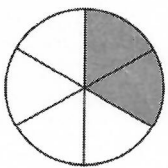
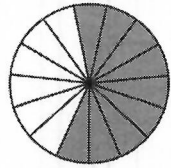
$$\underline{\quad} = \underline{\quad}$$



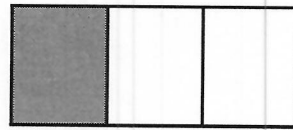
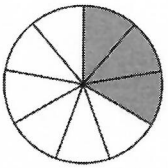
$$\underline{\quad} = \underline{\quad}$$



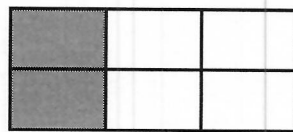
$$\underline{\quad} = \underline{\quad}$$



$$\underline{\quad} = \underline{\quad}$$



$$\underline{\quad} = \underline{\quad}$$



$$\frac{2}{3} = \frac{\quad}{6}$$

$$\frac{6}{8} = \frac{3}{\quad}$$