

Fourth grade lesson plans

April 20 - Math - 4.NF.1

April 21 - Social Studies - Arkansas Governor

April 22 - Math - 4.NF.2

April 23 - Social Studies - Arkansas Colleges and Pt.2

April 27 - Math - 4.NF.3

April 28 - Social Studies - My Geography and State Geography

April 29 - Math 4.NF.3

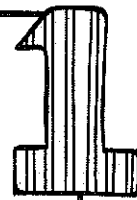
April 30 - Social Studies - Largest City and State Capital

4.NF.1

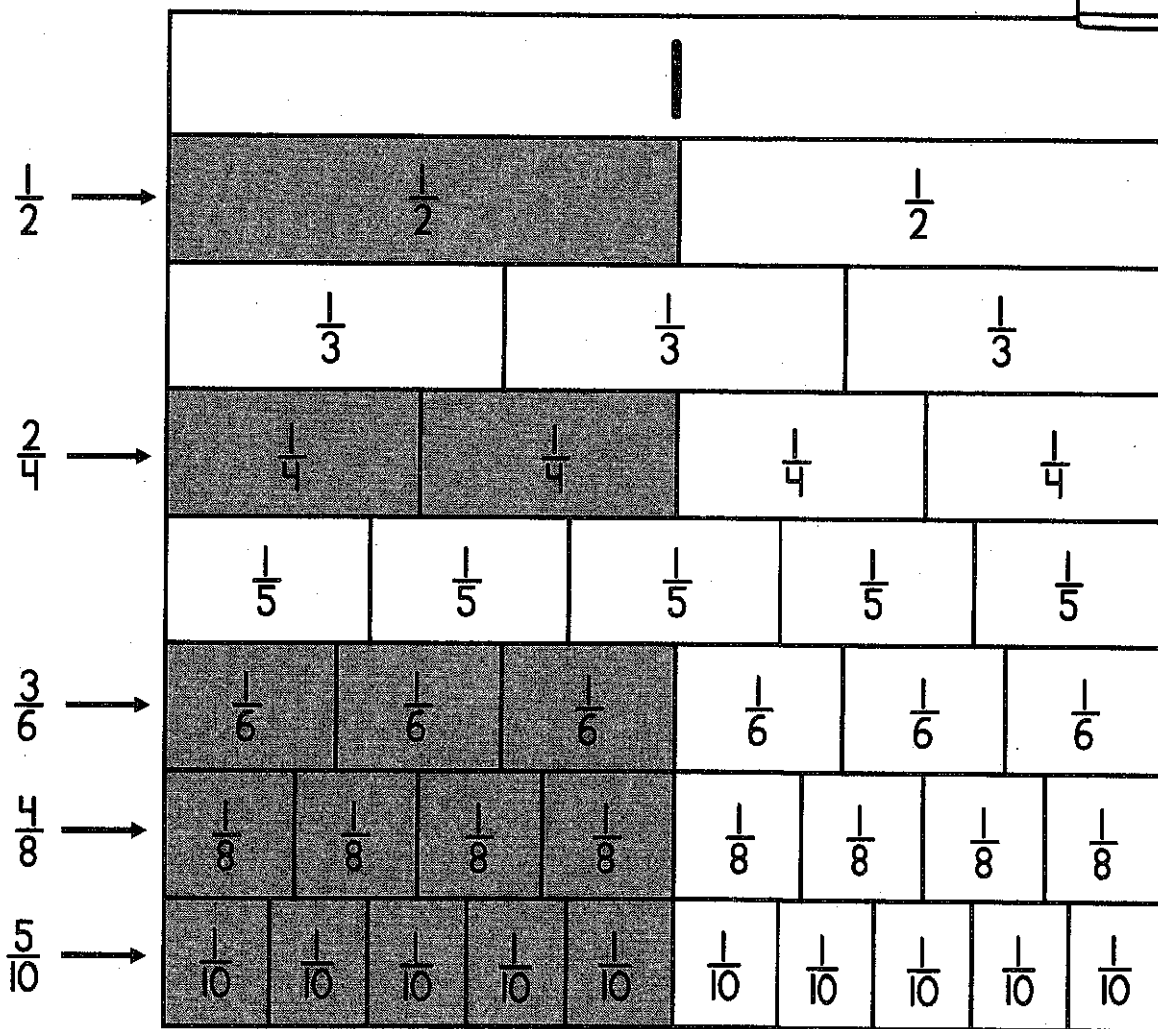
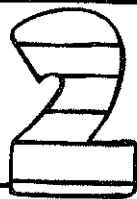
Equivalent Fractions

I can explain equivalent fractions by using visual fraction models, and recognize and generate equivalent fractions.

Equivalent Fractions:















In the model below, fractions equivalent to $\frac{1}{2}$ are shaded. Notice that although the fractions are different, they are the same size. These are equivalent fractions.



Use the model to list fractions equivalent to $\frac{1}{2}$: _____

Use the fraction bars to find Equivalent Fractions...

		—
		—
		—
		—
		—
		—

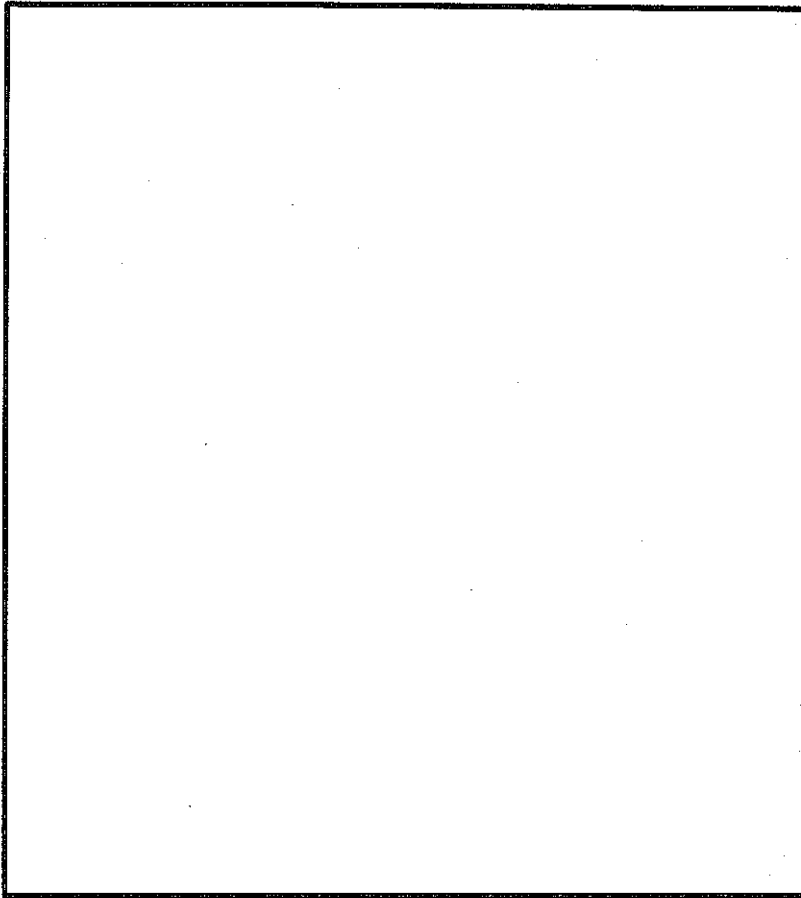
To find equivalent fractions, you can also multiply both the numerator and denominator by a fraction equivalent to 1.

$$\frac{1}{5} \times \frac{2}{2} = \frac{2}{10}$$

$$\frac{2}{3} \times \frac{3}{3} = \text{—}$$

$$\frac{1}{6} \times \frac{4}{4} = \text{—}$$

Arkansas Governor...



Insert a picture of
your Governor and
write a description
of his/her work in
your state.

4.NF.2

Comparing Fractions

I can compare two fractions with different numerators and different denominators, by creating common numerators or denominators or by comparing to a benchmark fraction.

Strategies for Comparing Fractions:

{Use these strategies to compare $\frac{1}{4}$ and $\frac{2}{3}$ }

Use a fraction model:

$\frac{1}{4}$



Divide the bar into equal fourths and shade one bar.

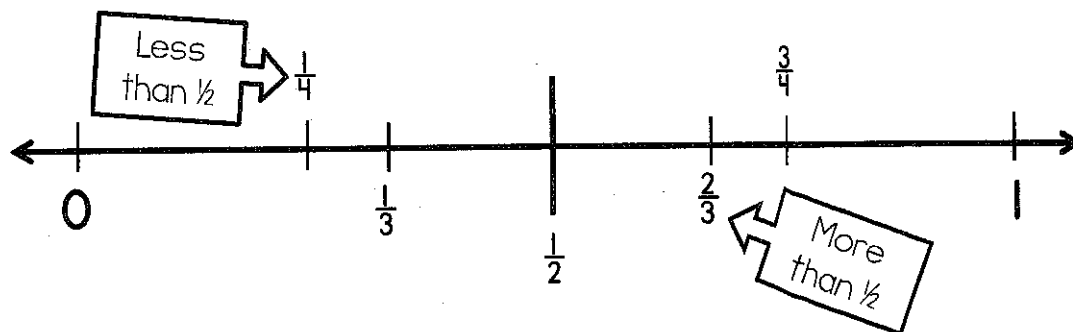
$\frac{2}{3}$



Divide the bar into equal thirds and shade two bars.

Compare the shaded models.

Compare to a benchmark like $\frac{1}{2}$:



Find common denominators:

To compare $\frac{1}{4}$ and $\frac{2}{3}$, find common denominators by finding equivalent fractions with the same denominator. Then compare.

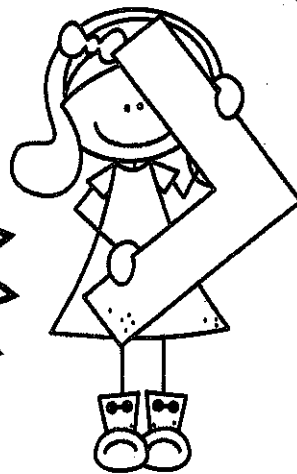
$$\frac{1}{4} \times 3 = \frac{3}{12}$$

$$\frac{2}{3} \times 4 = \frac{8}{12}$$

$$\frac{8}{12} > \frac{3}{12}, \text{ so } \frac{2}{3} > \frac{1}{4}$$

Compare
each set of
fractions:

$$\frac{2}{5} \bigcirc \frac{5}{8}$$

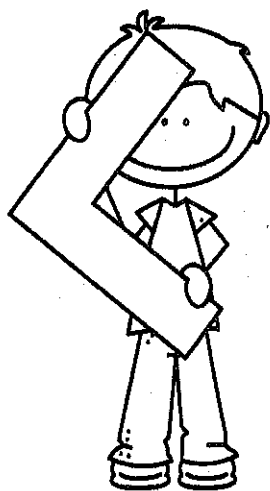


$$\frac{2}{3} \bigcirc \frac{4}{6}$$

$$\frac{5}{8} \bigcirc \frac{3}{4}$$

$$\frac{3}{10} \bigcirc \frac{2}{3}$$

$$\frac{3}{5} \bigcirc \frac{4}{8}$$

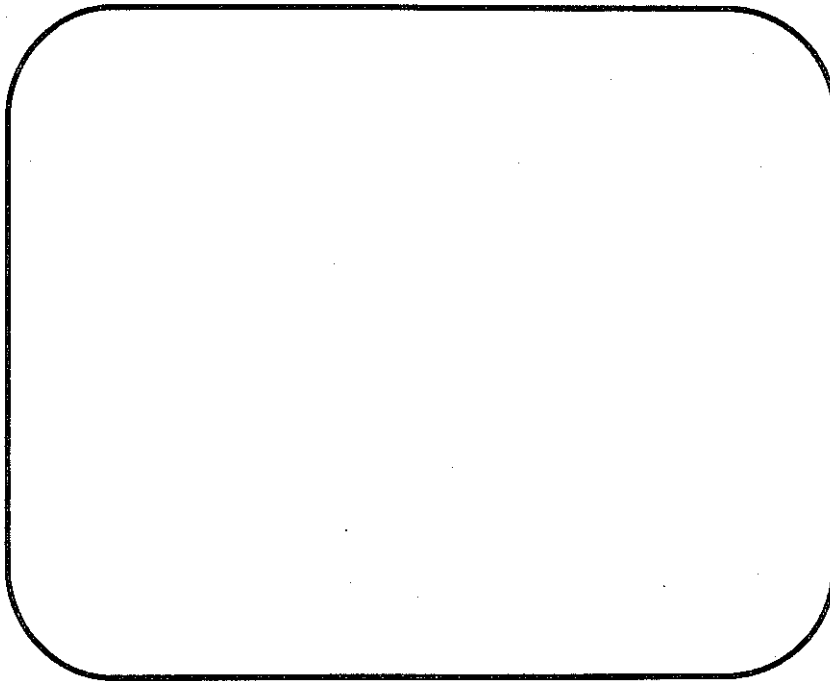


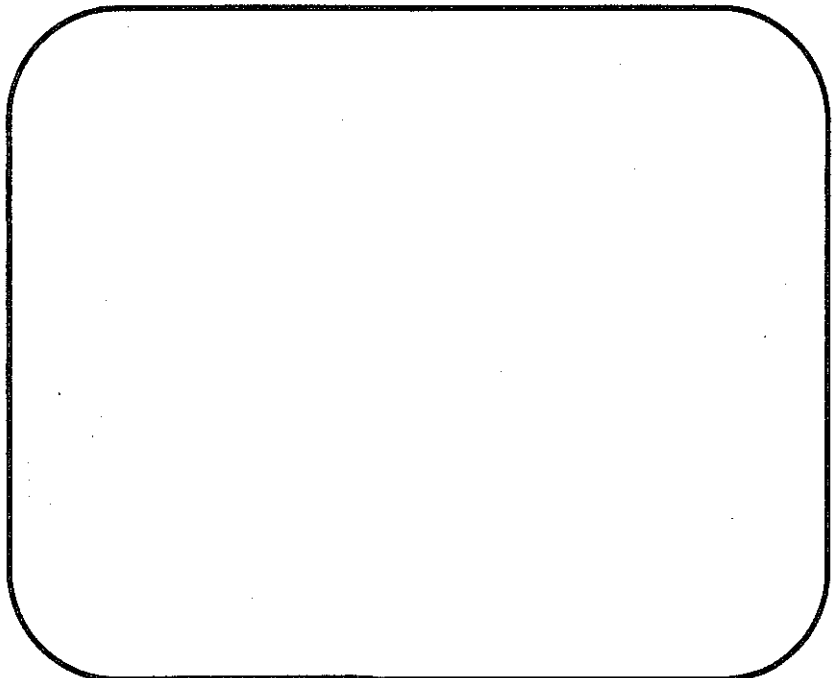
$$\frac{1}{2} \bigcirc \frac{4}{8}$$

Use the
different
strategies
from the
previous page.

Arkansas Colleges...

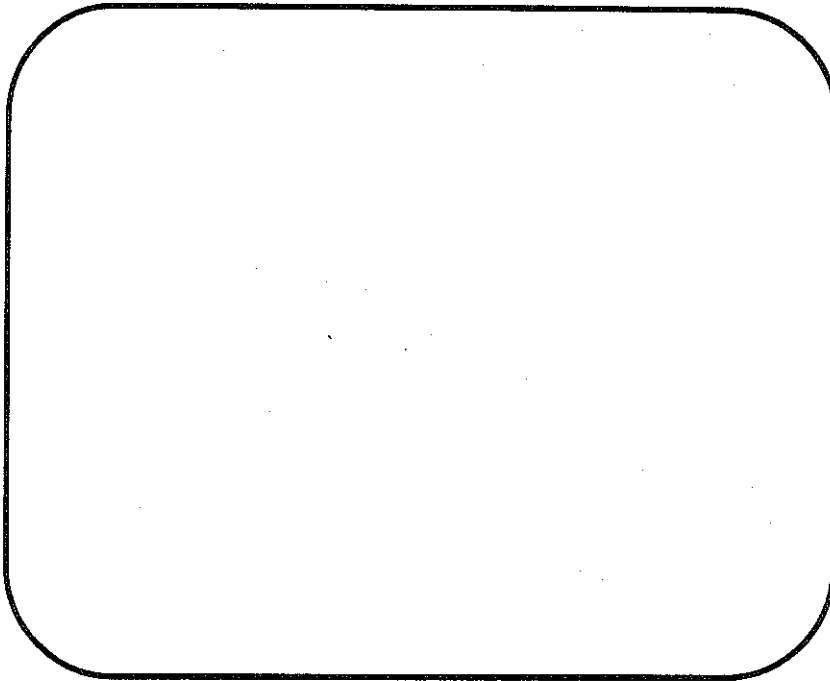
Insert pictures or symbols of two state colleges. Give the name and location of each.

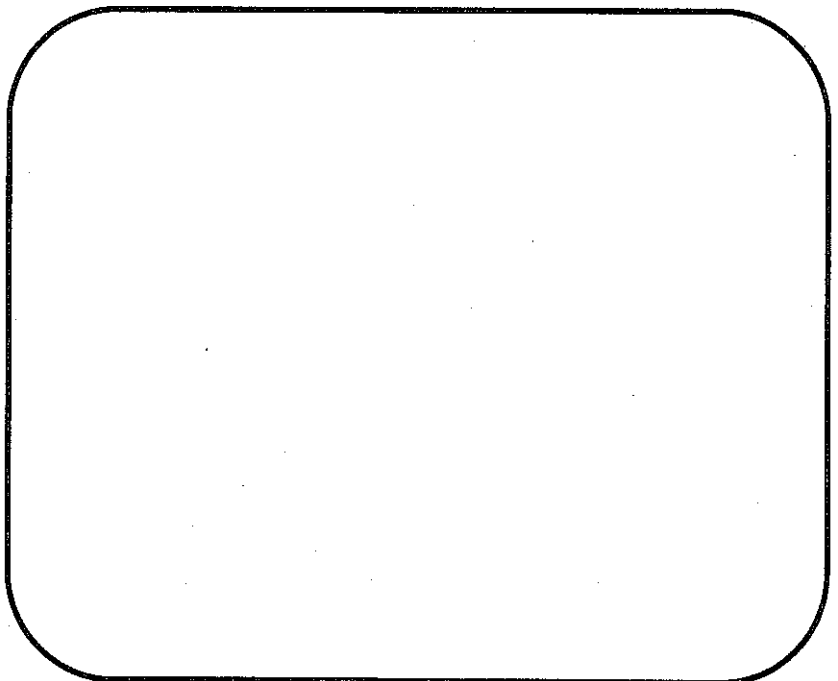




State Colleges... Part 2

Insert pictures or symbols of two more state colleges. Give the name and location of each.



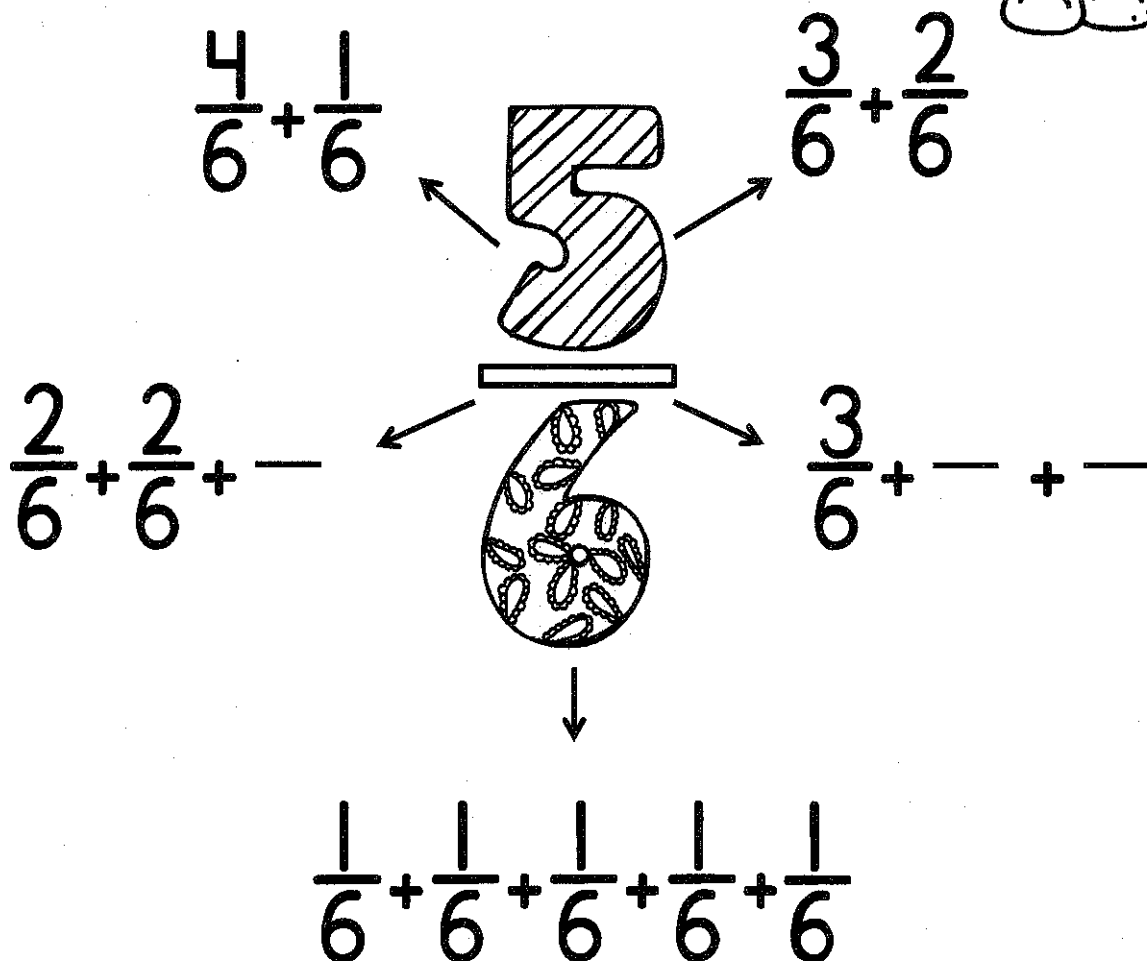
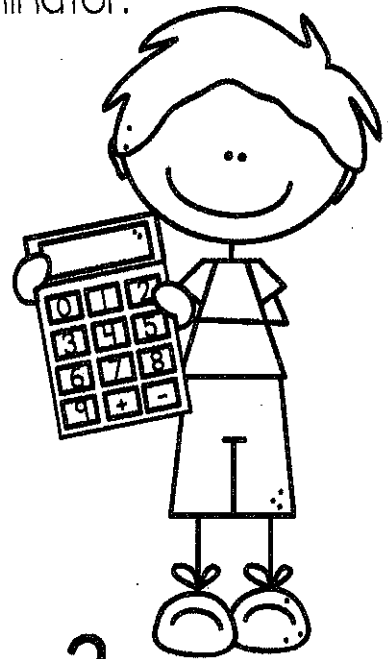


4.NF.3

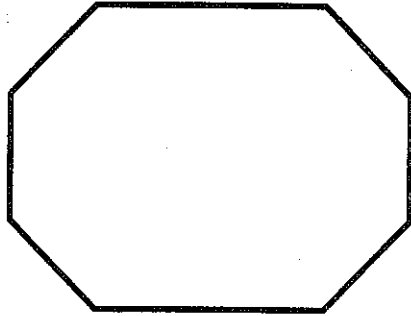
Decomposing Fractions

I can decompose a fraction into the sum of fractions with the same denominator.

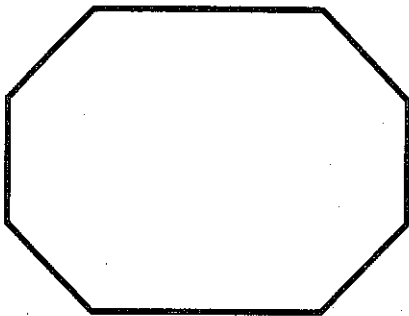
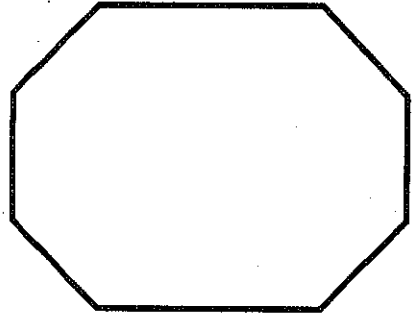
To decompose a fraction, break the fraction into smaller fractions with the same denominator.



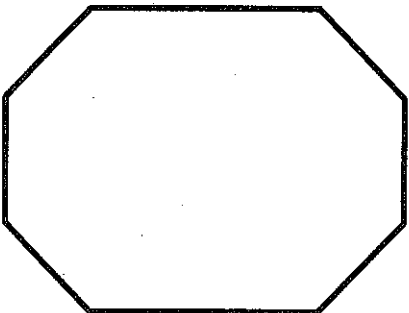
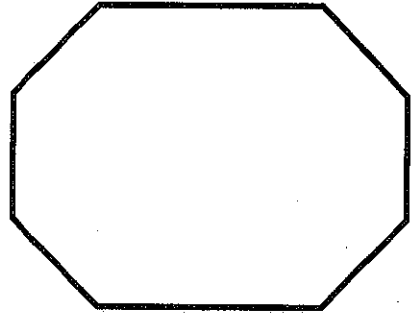
Find two ways to decompose each fraction.



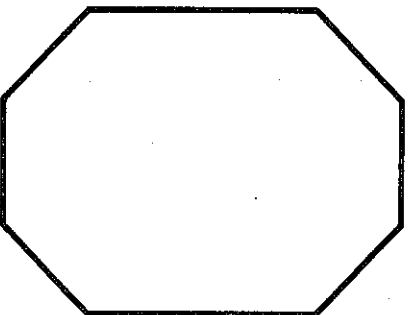
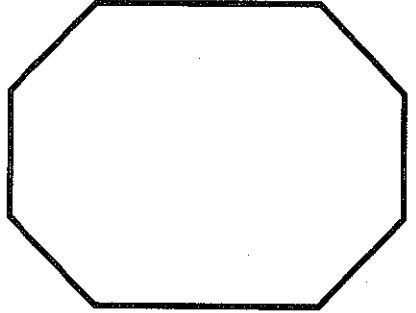
$$\frac{3}{4}$$



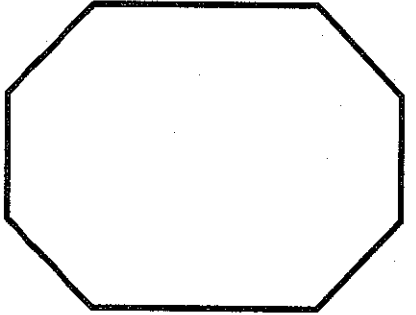
$$\frac{4}{5}$$



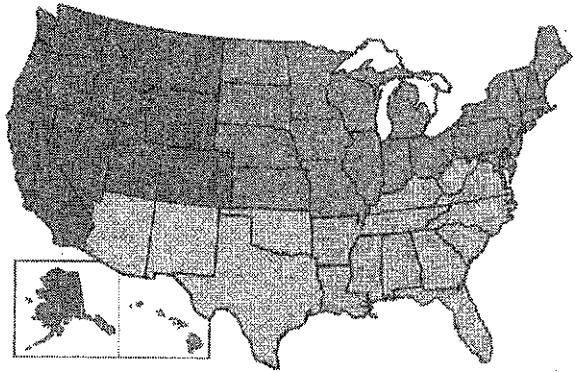
$$\frac{7}{8}$$



$$\frac{7}{10}$$



My Geography



My County is:

My Street is:

There are _____
counties in my state.

My Zip Code is:

The counties that
surround my county
are:

My City is:

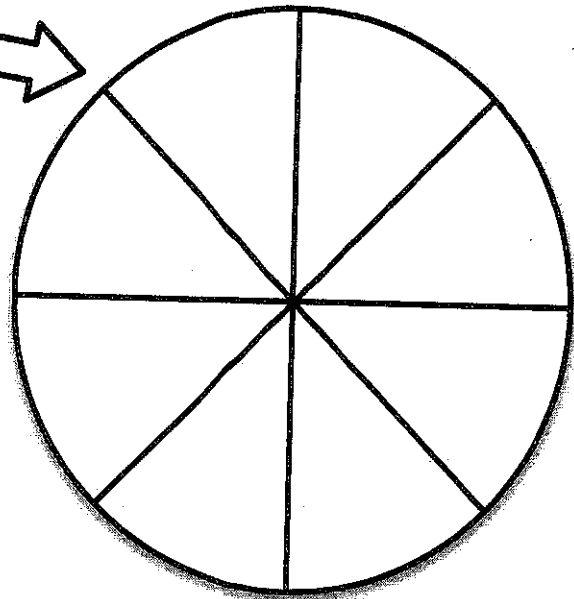
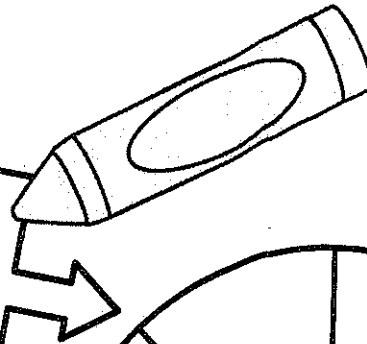
State Geography

Draw the outline of your state and then label
all of the major cities.

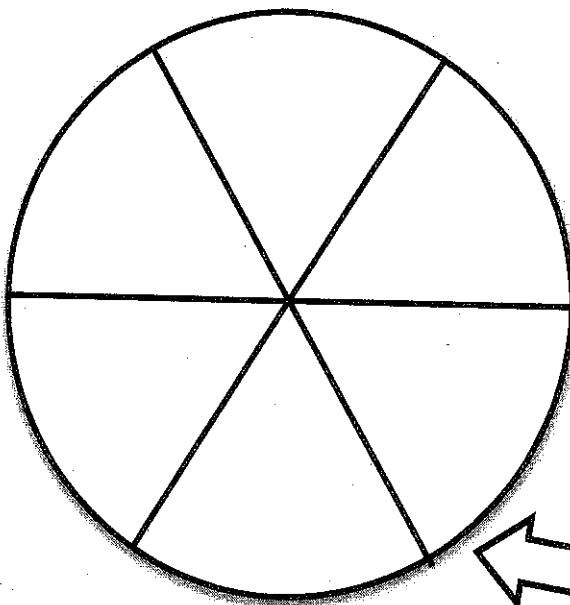
4.NF.3 Adding & Subtracting Fractions

I can understand addition and subtraction of fractions as joining and separating parts referring to the same whole.

Shade 3 parts with one color and 2 parts with another. How many total parts are shaded?



$$\frac{3}{8} + \frac{2}{8} = \text{---}$$



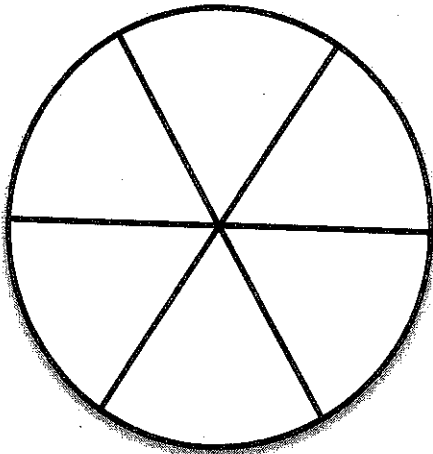
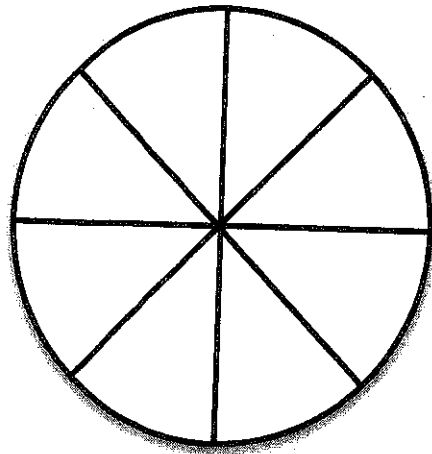
$$\frac{4}{6} - \frac{3}{6} = \text{---}$$

Shade 4 parts then X out 3 of the shaded parts. How many parts are left shaded?



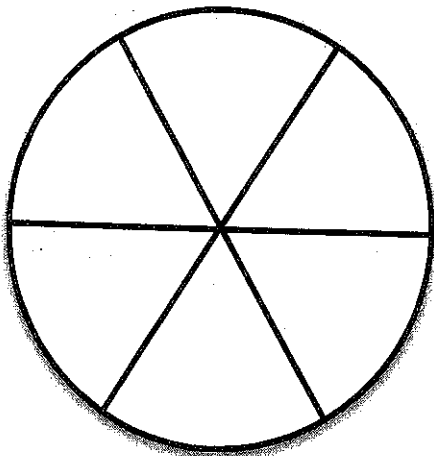
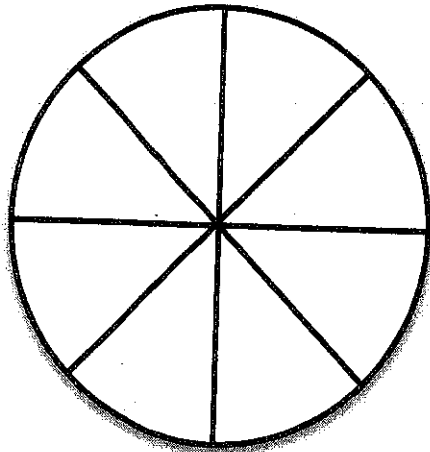
April 29

$$\frac{5}{8} + \frac{2}{8} = \underline{\hspace{1cm}}$$



$$\frac{4}{6} + \frac{1}{6} = \underline{\hspace{1cm}}$$

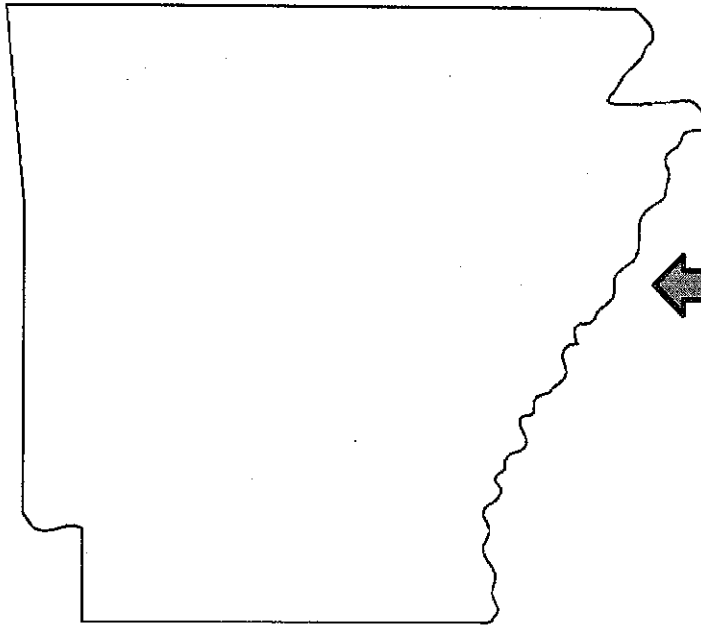
$$\frac{3}{8} - \frac{1}{8} = \underline{\hspace{1cm}}$$



$$\frac{5}{6} - \frac{4}{6} = \underline{\hspace{1cm}}$$

April 30

Largest City



Mark and label the
location of the
largest city.

The population of the largest
city is _____.

The largest city was founded by...

April 30

State Capital

Some exciting things to see and do in the state capital are...

History about the state capital:

Draw or cut and paste a picture of something that relates to your capital.

