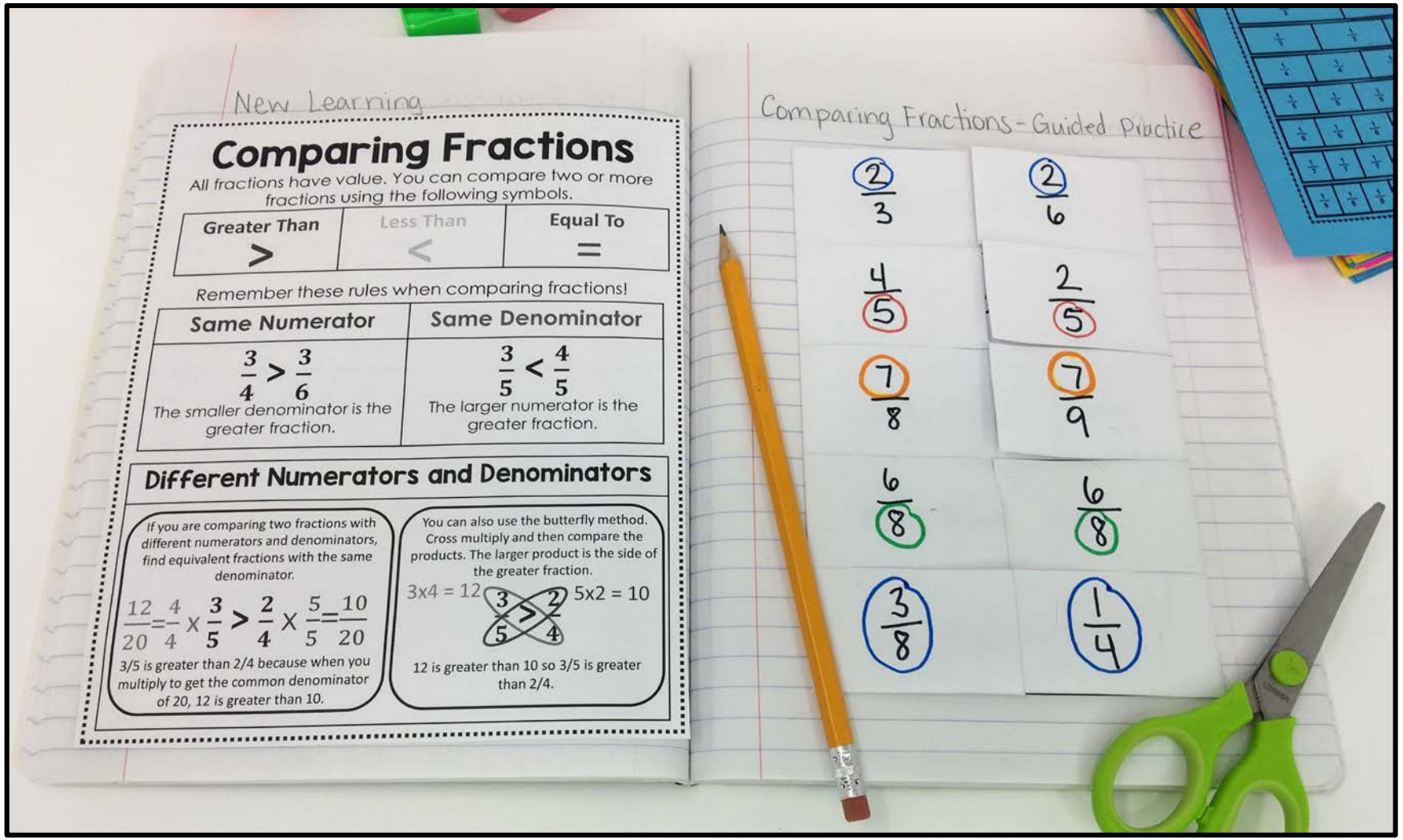
Fractions Interactive Math Notebook

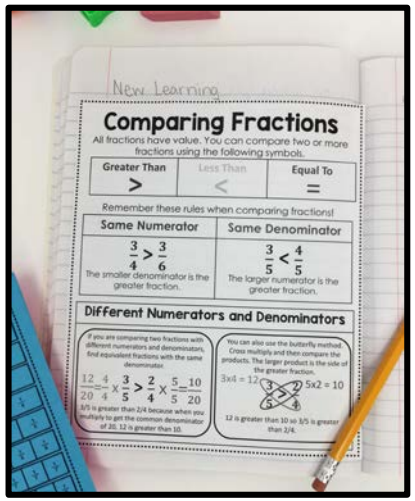


Activities to TEACH, REINFORCE and ASSESS each skill

What's Included?

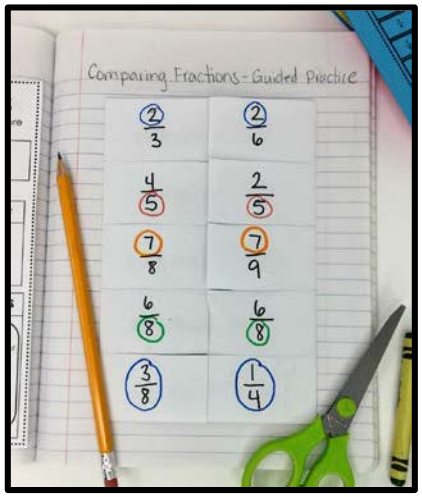
Each skill has these four elements:

Anchor Chart



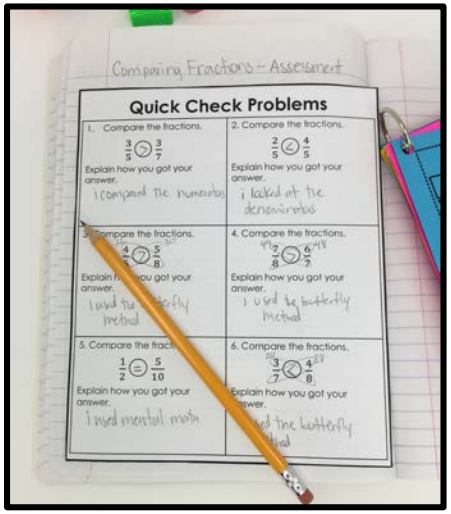
Great tool to introduce new math skill to students. Student friendly and fits perfectly in journals.

Interactive Foldable



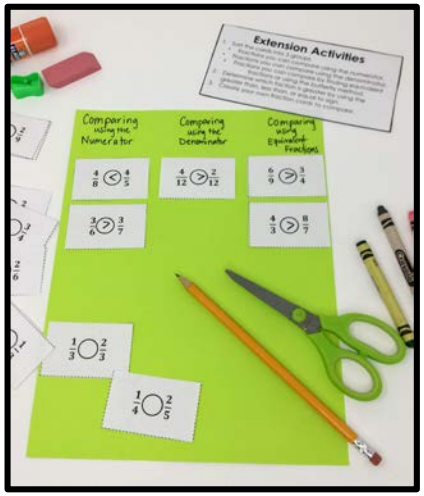
Works great as guided practice and gives students an interactive opportunity to practice the new skill.

Exit Ticket



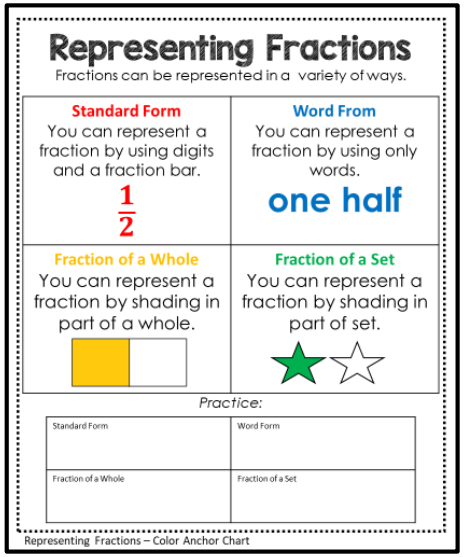
Great way to assess students at the end of the lesson or to use as a spiral review a few weeks after the lesson is taught.

Extension Activity

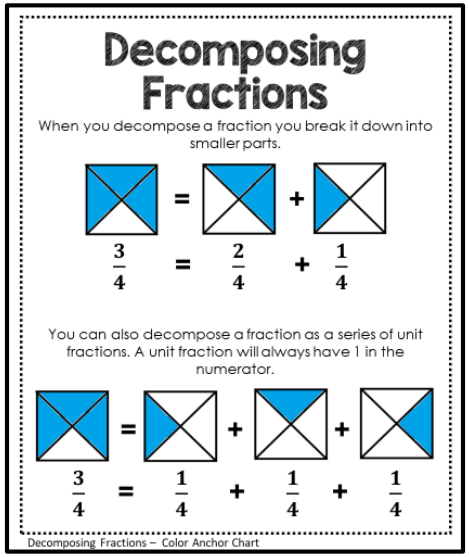


Works great as early finisher work or in a math work station.

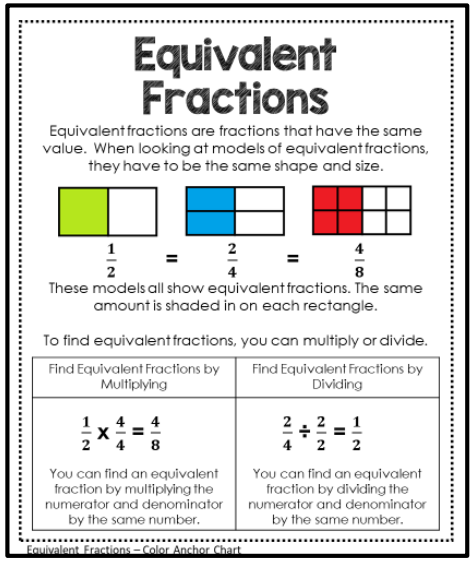
What Skills are Covered?



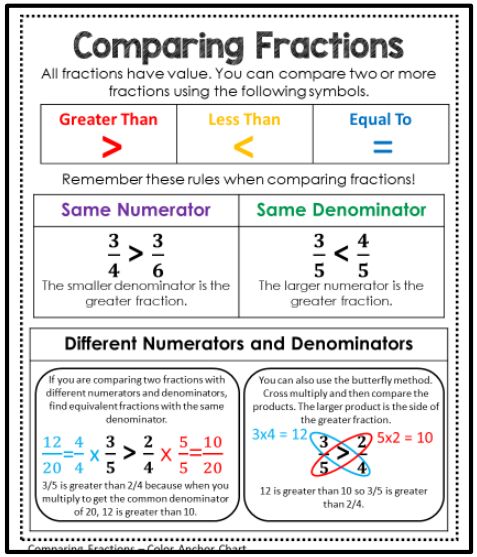
Representing Fractions



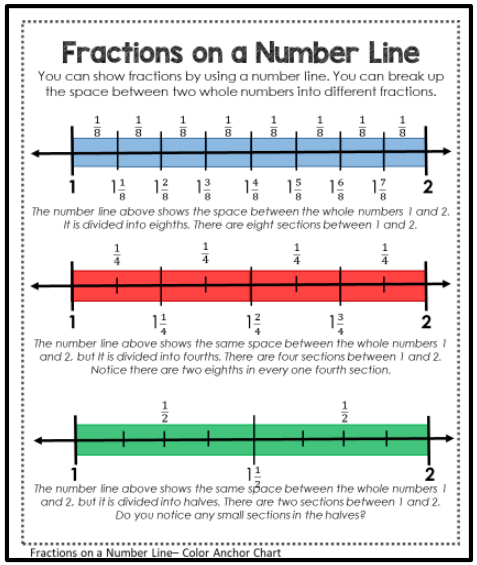
Decomposing Fractions



Equivalent Fractions

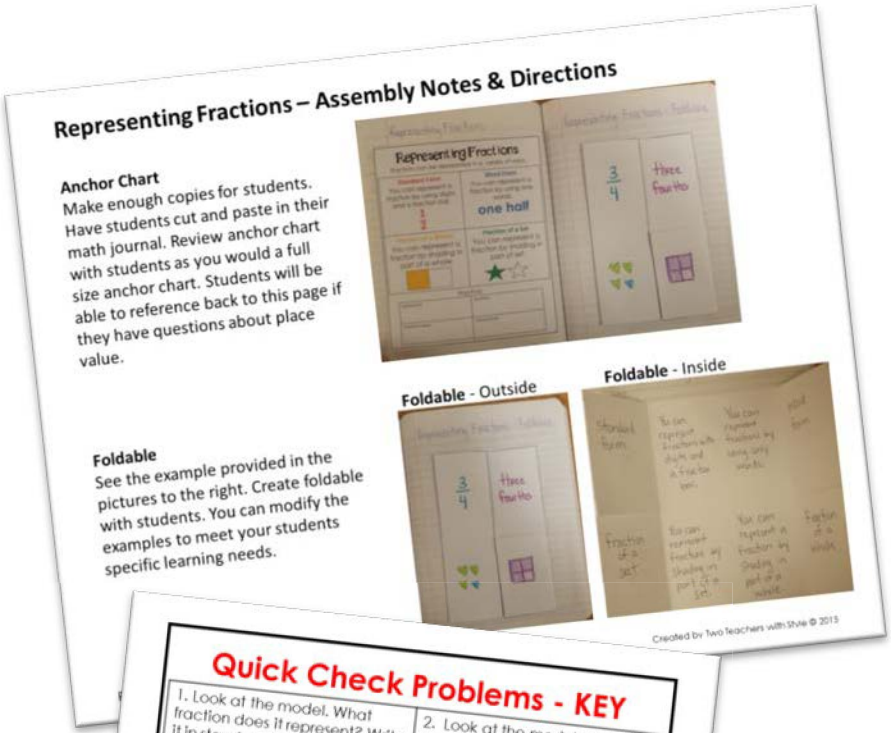


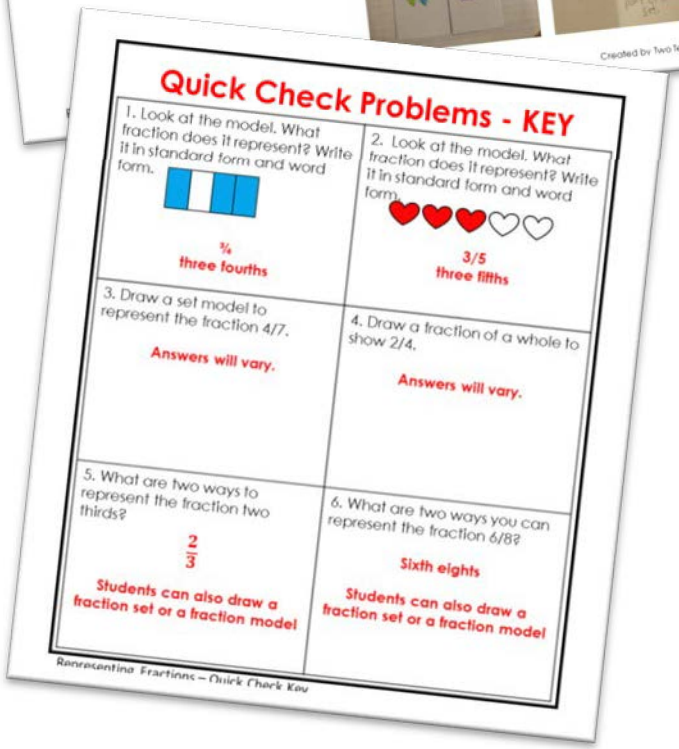
Comparing Fractions

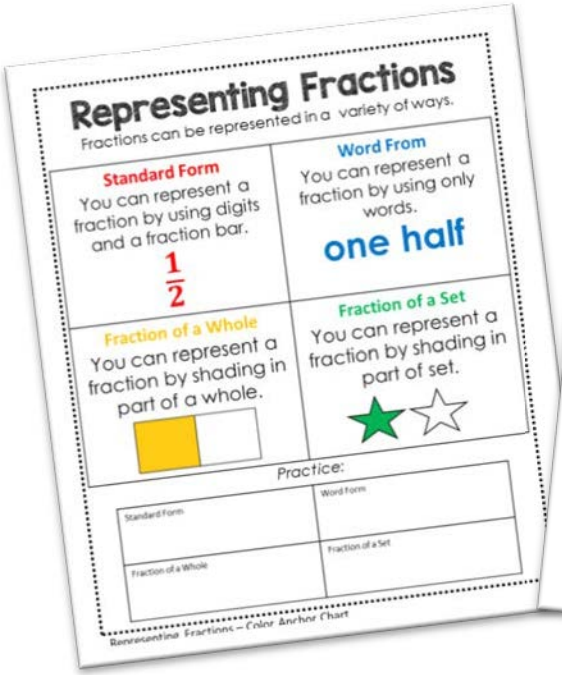


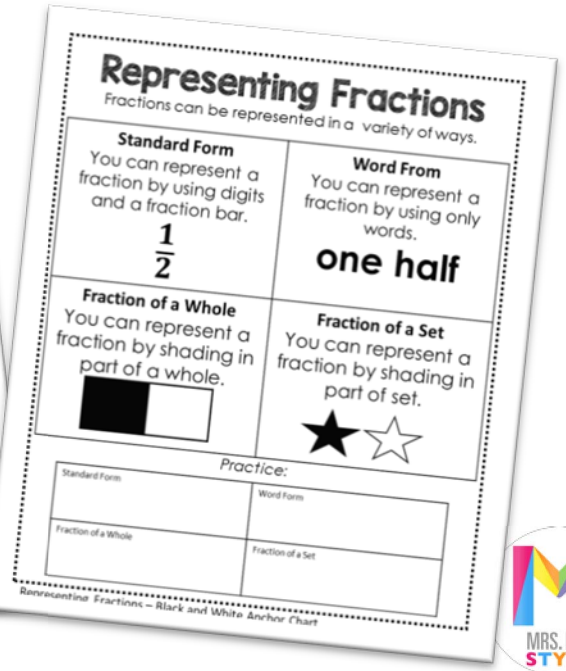
Fractions on a Number Line

Additional Features







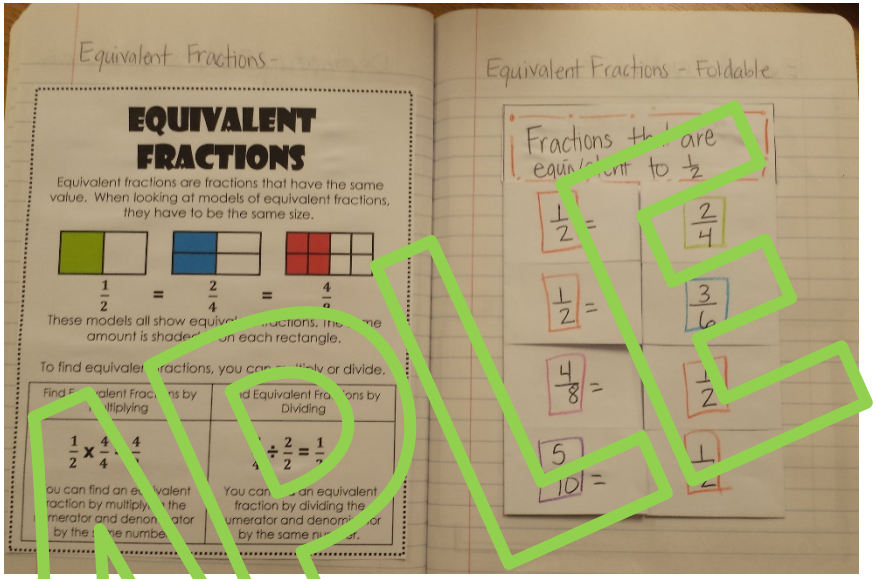


- Includes **assembly notes** and **directions** for each entry
- Includes **answer key** for each exit ticket
- Includes **black and white** or **color options** for each anchor chart

Equivalent Fractions – Assembly Notes & Directions

Anchor Chart

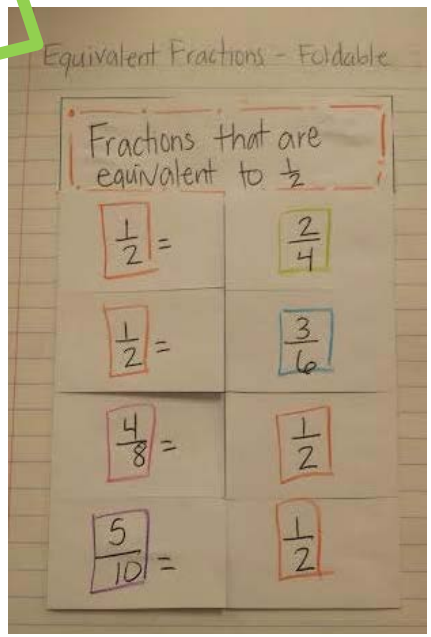
Make enough copies for students. Have students cut and paste in their math journal. Review anchor chart with students as you would a full size anchor chart. Students will be able to reference back to this page if they have questions about place value.



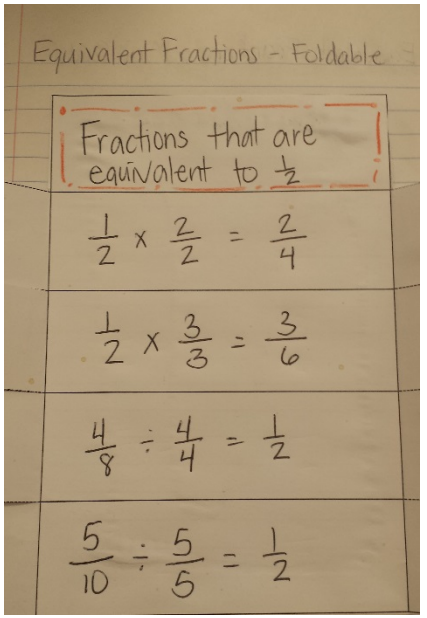
Foldable

See the example provided in the pictures to the right. Create foldable with students. You can modify the examples to meet your students specific learning needs.

Foldable - Outside



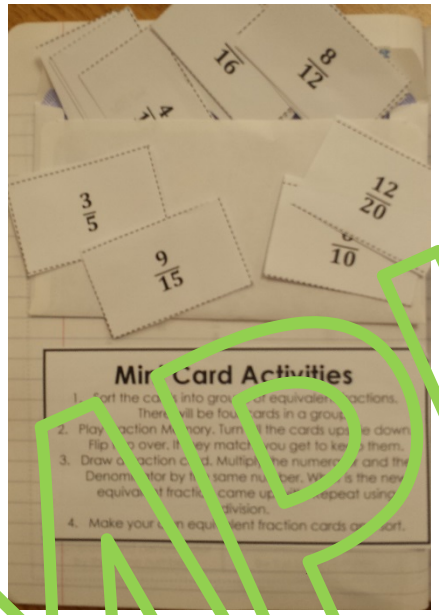
Foldable - Inside



Equivalent Fractions – Assembly Notes & Directions

Extension Activities

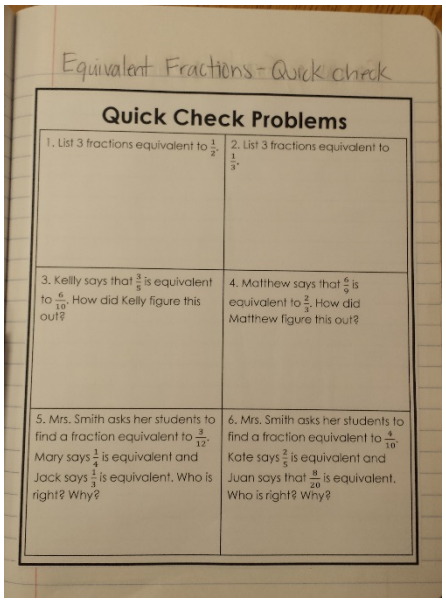
Give each student a copy of the Extension Activities list to place in their journal as well as a copy of the mini cards. Have students glue a small envelope into their math journal to store their mini cards. You can use the mini card activities as an extension or early finisher activity.



Quick Check

Give each student a copy of the Quick Check sheet. Students can glue them in their math journal as a reference page, or you can collect them. The quick check can be used as a formative assessment to see where your students level of mastery is after you have spent a few days practicing the skill.

Quick Check


Equivalent Fractions - Quick Check

Quick Check Problems

1. List 3 fractions equivalent to $\frac{1}{2}$.	2. List 3 fractions equivalent to $\frac{1}{3}$.
3. Kellly says that $\frac{3}{8}$ is equivalent to $\frac{6}{10}$. How did Kelly figure this out?	4. Matthew says that $\frac{6}{9}$ is equivalent to $\frac{2}{3}$. How did Matthew figure this out?
5. Mrs. Smith asks her students to find a fraction equivalent to $\frac{3}{12}$. Mary says $\frac{1}{4}$ is equivalent and Jack says $\frac{1}{3}$ is equivalent. Who is right? Why?	6. Mrs. Smith asks her students to find a fraction equivalent to $\frac{4}{10}$. Kate says $\frac{2}{5}$ is equivalent and Juan says that $\frac{8}{20}$ is equivalent. Who is right? Why?

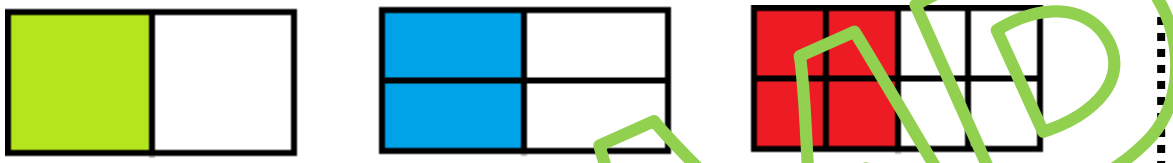
Quick Check - Key

Quick Check Problems - KEY

1. List 3 fractions equivalent to $\frac{1}{2}$. **2/4, 3/6, 4/8, 5/10, 6/12**	2. List 3 fractions equivalent to $\frac{1}{3}$. **2/6, 3/9, 4/12, 5/15**
3. Kellly says that $\frac{3}{8}$ is equivalent to $\frac{6}{10}$. How did Kelly figure this out? **She multiplied 2/5 by 2/2 to get 6/10**	4. Matthew says that $\frac{6}{9}$ is equivalent to $\frac{2}{3}$. How did Matthew figure this out? **He divided 6/9 by 3/3 to get 2/3**
5. Mrs. Smith asks her students to find a fraction equivalent to $\frac{3}{12}$. Mary says $\frac{1}{4}$ is equivalent and Jack says $\frac{1}{3}$ is equivalent. Who is right? Why? **Mary is right because 3/12 divided by 3/3 equals 1/4**	6. Mrs. Smith asks her students to find a fraction equivalent to $\frac{4}{10}$. Kate says $\frac{2}{5}$ is equivalent and Juan says that $\frac{8}{20}$ is equivalent. Who is right? Why? **They are both right. Because 4/10 multiplied by 2/2 equals 8/20 and 4/10 divided by 2/2 equals 2/5**

Equivalent Fractions

Equivalent fractions are fractions that have the same value. When looking at models of equivalent fractions, they have to be the same shape and size.



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

These models all show equivalent fractions. The same amount is shaded in on each rectangle.

To find equivalent fractions, you can multiply or divide.

Find Equivalent Fractions by Multiplying	Find Equivalent Fractions by Dividing
$\frac{1}{2} \times \frac{4}{4} = \frac{4}{8}$ You can find an equivalent fraction by multiplying the numerator and denominator by the same number.	$\frac{2}{4} \div \frac{2}{2} = \frac{1}{2}$ You can find an equivalent fraction by dividing the numerator and denominator by the same number.

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Equivalent Fractions – Foldable

Extension Activities

1. Sort the cards into groups of equivalent fractions. There will be four cards in a group.
2. Play Fraction Memory. Turn all the cards upside down. Flip two over. If they match, you get to keep them.
3. Draw a fraction card. Multiply the numerator and the Denominator by the same number. What is the new equivalent fraction came up with. Repeat using division.
4. Make your own equivalent fraction cards and sort

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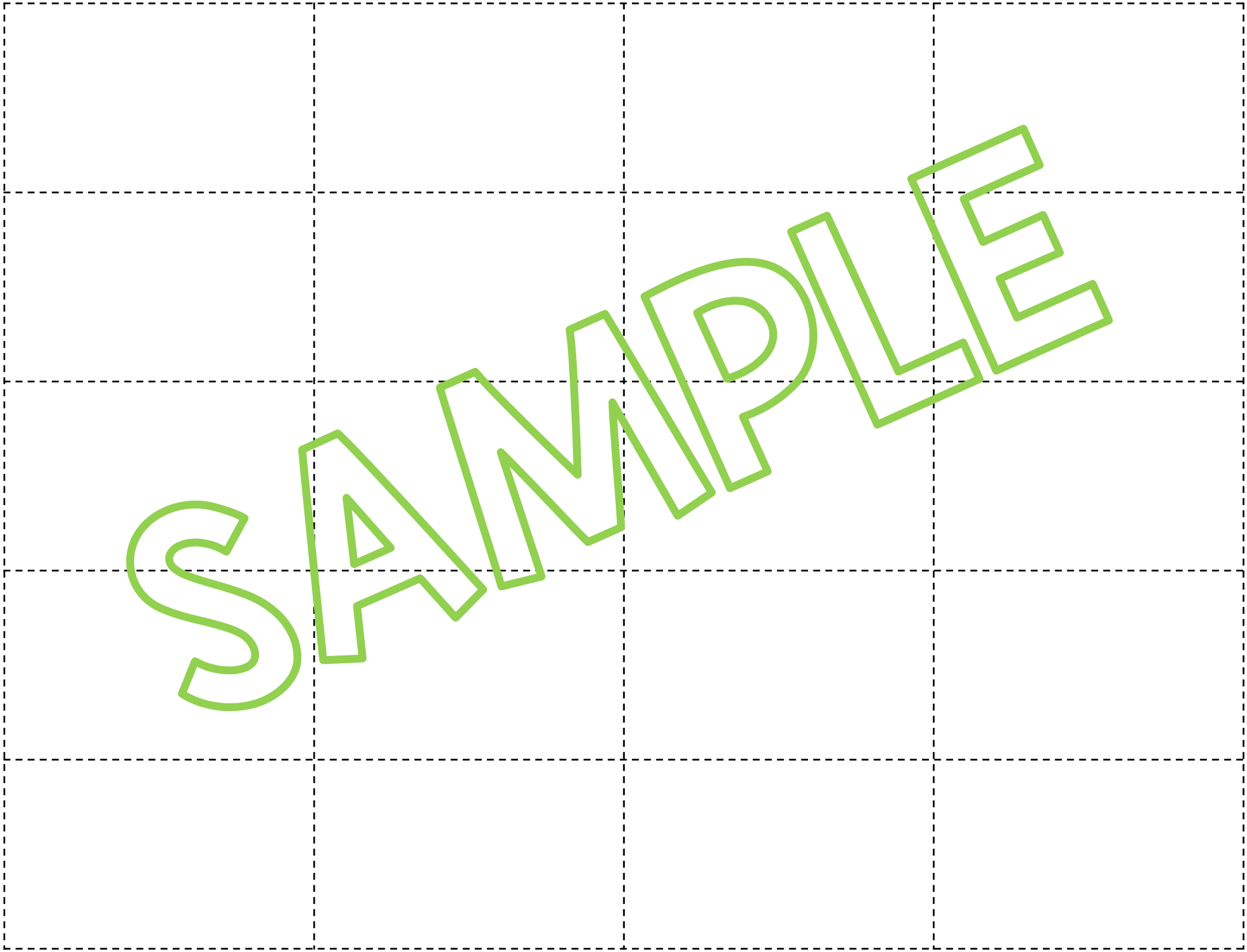
$\frac{1}{2}$	$\frac{2}{4}$	$\frac{3}{6}$	$\frac{4}{8}$
$\frac{1}{3}$	$\frac{2}{6}$	$\frac{3}{9}$	$\frac{4}{12}$
$\frac{1}{4}$	$\frac{2}{8}$	$\frac{3}{12}$	$\frac{4}{16}$
$\frac{2}{3}$	$\frac{4}{6}$	$\frac{6}{9}$	$\frac{8}{12}$
$\frac{3}{5}$	$\frac{6}{10}$	$\frac{9}{15}$	$\frac{12}{20}$



Equivalent Fractions – Mini Card – Blank Template

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She multiplied 2/5 by 2/2 to get 6/10

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He divided 6/9 by 3/3 to get 2/3

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Mary is right because 3/12 divided by 3/3 equals 1/4

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They are both right. Because 4/10 multiplied by 2/2 equals 8/20 and 4/10 divided by 2/2 equals 2/5