

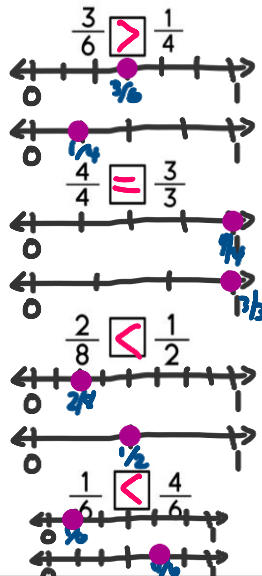
COMPARING FRACTIONS



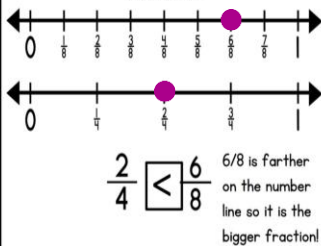
5 MINI-LESSONS

Comparing Fractions with Number Lines

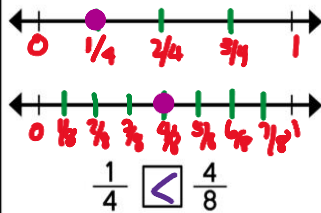
Compare!



EXAMPLE:



Compare $\frac{1}{4}$ and $\frac{4}{8}$.



Helpful Tips

> means greater than
< means less than
The sign always opens towards the bigger fraction

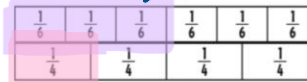
How to Solve

- Step 1: Draw 2 number lines and label them with 0 and 1 on both sides.
- Step 2: Graph the first fraction on the first number line.
- Step 3: Graph the second fraction on the second number line.
- Step 4: See if the fractions fall in the same spot to see if they are equal!

Comparing Fractions with Fraction Strips

Compare the fractions below.
Shade in the fraction strips to solve.

$$\frac{3}{6} > \frac{1}{4}$$



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



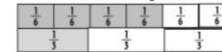
$$\frac{1}{6} < \frac{4}{6}$$



$$\frac{2}{8} < \frac{1}{2}$$



Example



$$\frac{1}{3} < \frac{4}{6}$$



Compare $\frac{2}{3}$ and $\frac{3}{6}$.

$$\frac{2}{3} > \frac{3}{6}$$

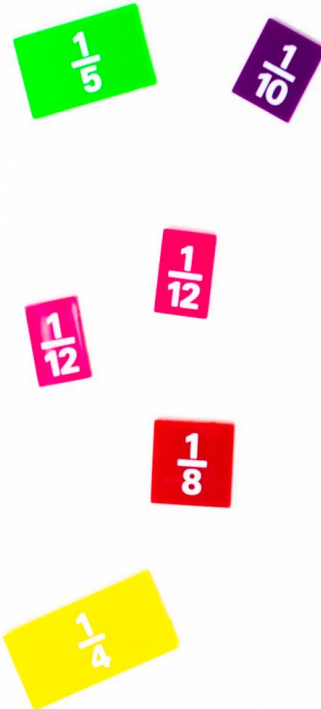
How to Solve

- Step 1: Shade in the first fraction.
- Step 2: Shade in the second fraction.
- Step 3: See which fraction has more shaded in. That is the greater fraction.

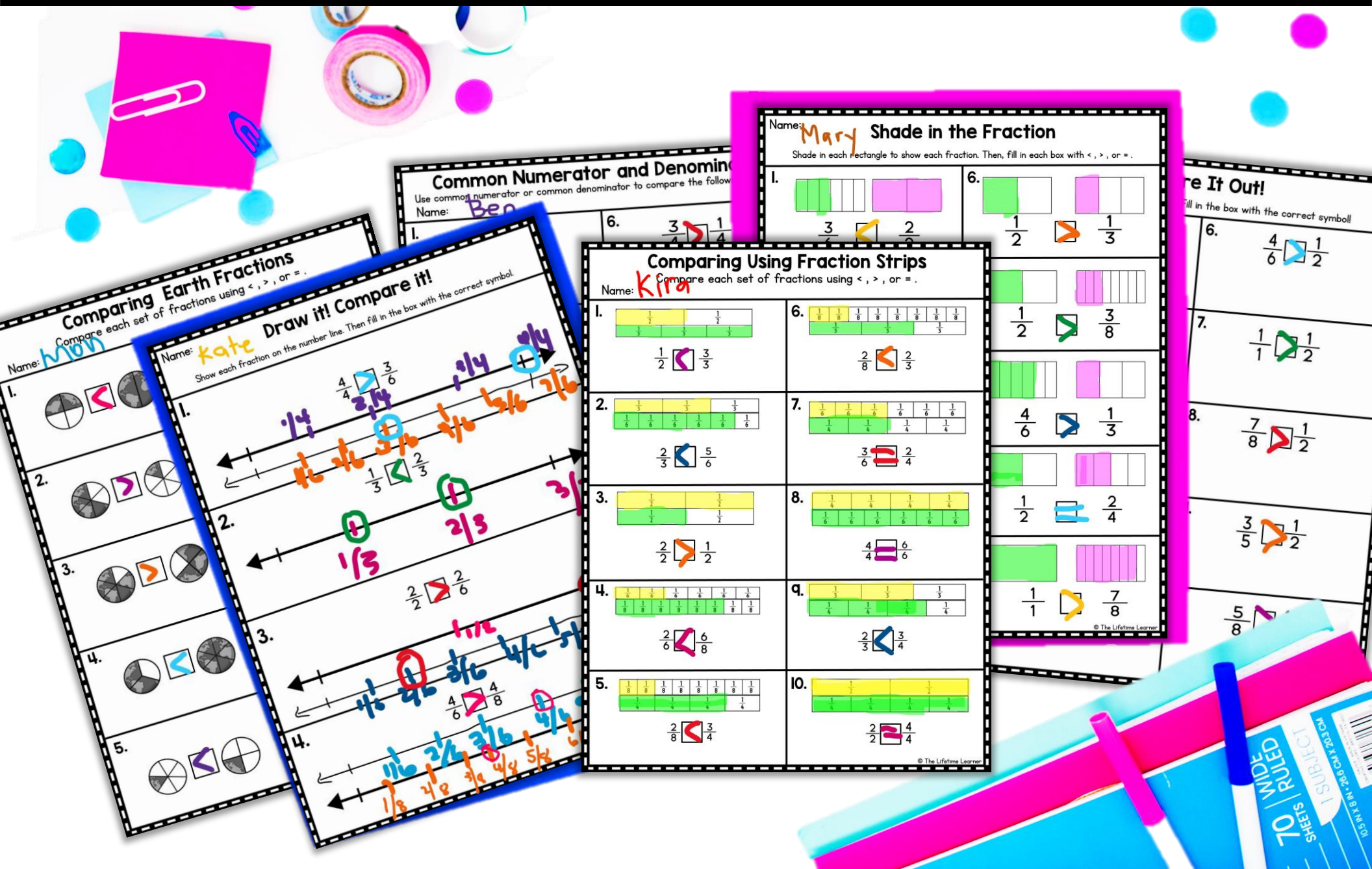
Helpful Tips

> means greater than
< means less than
The sign always opens towards the bigger fraction

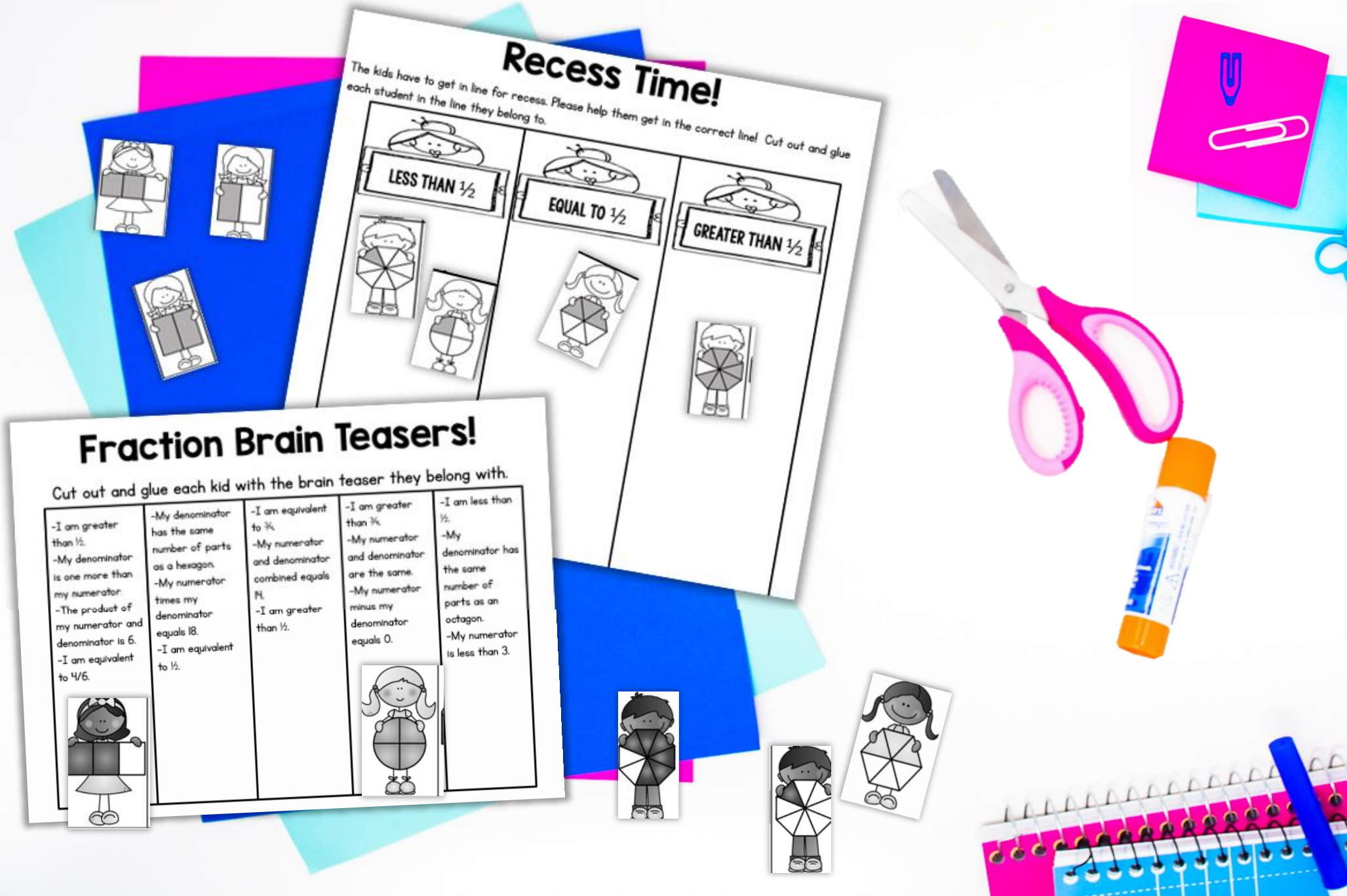
1. ON NUMBER LINES
2. WITH FRACTION STRIPS
3. WITH PICTURES
4. WITH TRICKS
5. WITH COMMON NUMERATOR & COMMON DENOMINATOR



10 WORKSHEETS



CUT & PASTE ACTIVITIES



MATH SORT

2 Versions:
-with pictures
-with numbers

Students look at each pair of fractions and decide if the symbol is correct or incorrect.



$\frac{1}{10}$

$\frac{1}{6}$

$\frac{1}{12}$

$\frac{1}{12}$

$\frac{1}{8}$

$\frac{1}{5}$

Card #3


$$\frac{7}{7} = \frac{10}{12}$$

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Card #5



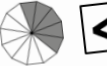
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Card #6



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Card #7



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Card #4


$$\frac{6}{8} < \frac{4}{10}$$

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Card #8



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Card #1

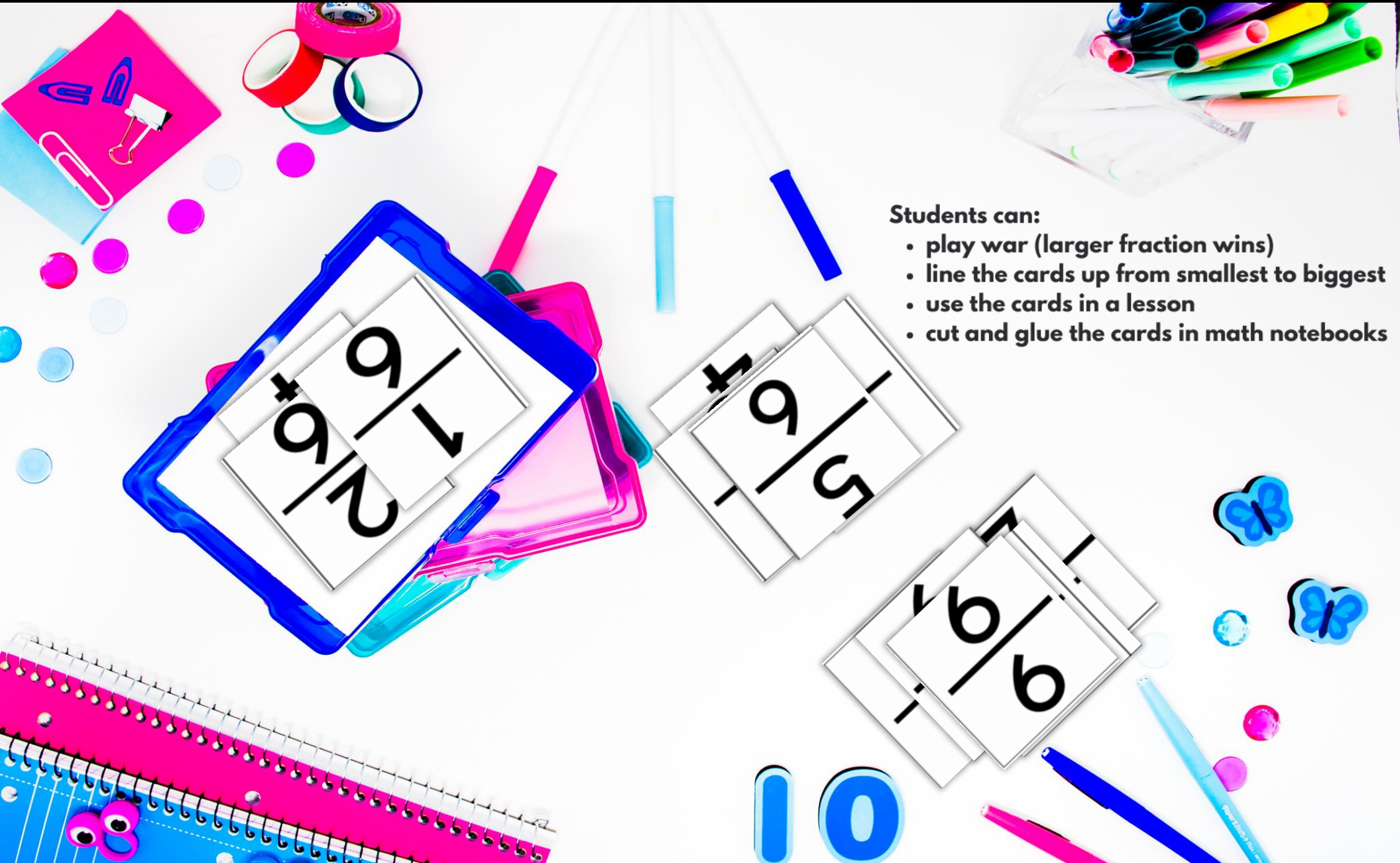

$$\frac{8}{10} > \frac{6}{10}$$

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FLASH CARDS

Students can:

- play war (larger fraction wins)
- line the cards up from smallest to biggest
- use the cards in a lesson
- cut and glue the cards in math notebooks



ERROR ANALYSIS

Students decide if each kid solved the problem correctly or incorrectly. They explain their thinking at the bottom.

4 PAGES

Directions: Read the problem below and look at the work the student did. Decide if the work is correct or not.

Is $\frac{4}{6}$ or $\frac{4}{8}$ larger?



$$\frac{4}{6} < \frac{4}{8}$$

The student says:

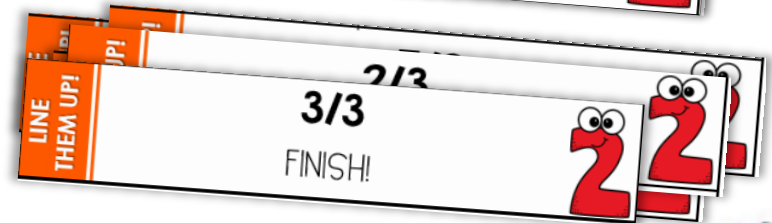
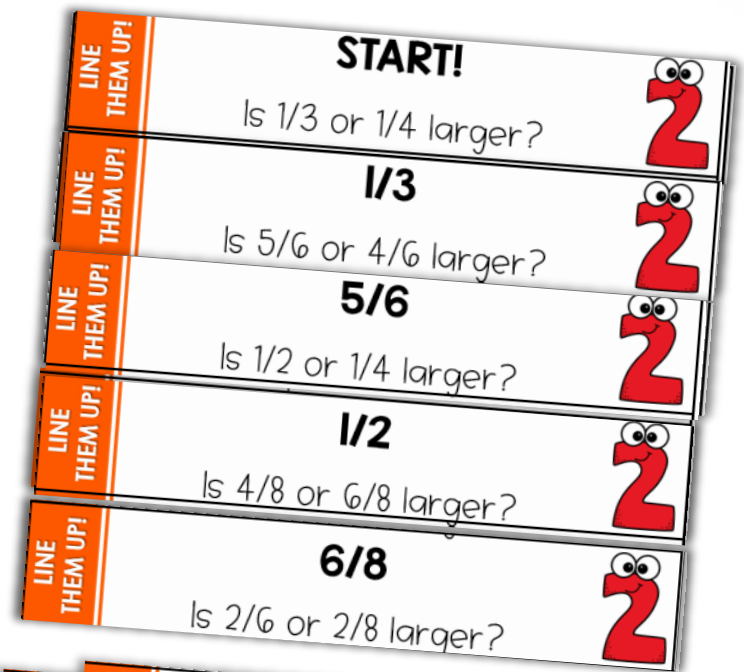
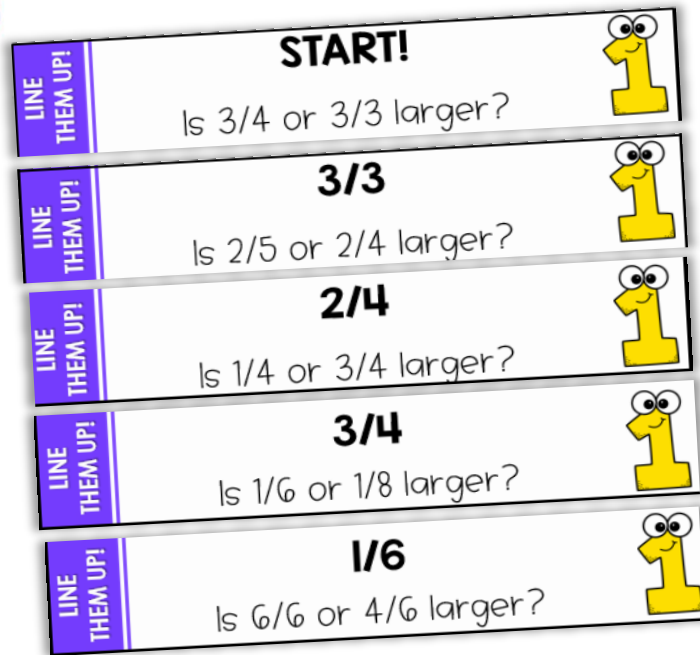
I put the less than symbol in the middle because 8 is larger than 6 so that means $\frac{4}{8}$ is bigger than $\frac{4}{6}$.

Explain if they are right or wrong. Put a check or X on their work.

X They are wrong because 6 is split into less pieces so each piece is bigger. 4 pieces of 6 is bigger than 4 pieces of 8. $\frac{4}{6} > \frac{4}{8}$

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GAME #1



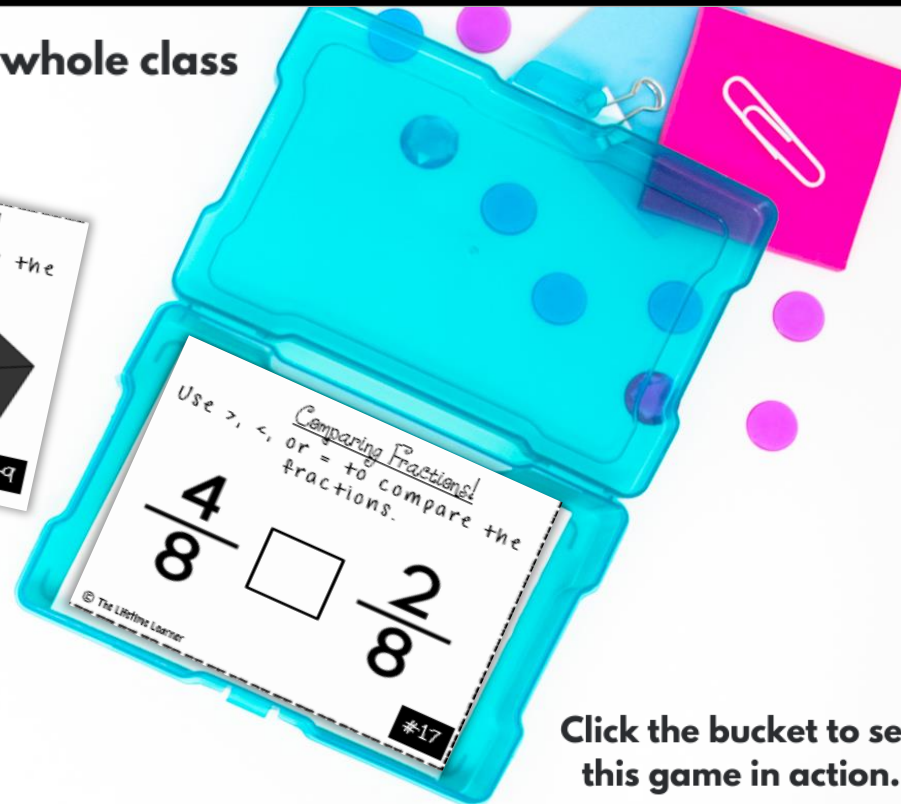
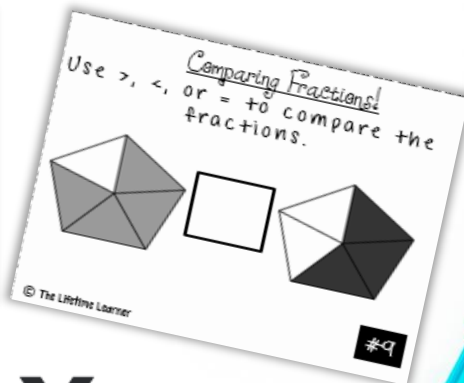
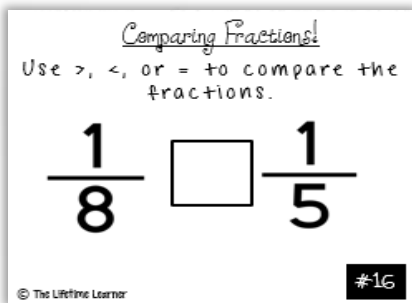
HOW TO PLAY:

- Students pair up in teams.
- Students race to line up their cards in order before the other team.



GAME #2

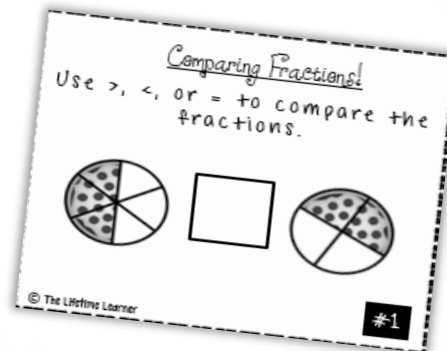
the perfect game to play with the whole class



Click the bucket to see this game in action.

HOW TO PLAY:

1. Students answer task cards.
2. If they get it right, they drop it in the bucket.
3. Students play for a set amount of time.
4. At the end of gameplay, the teacher draws task cards out of the bucket.
5. Any student whose task card gets pulled out gets a small prize.



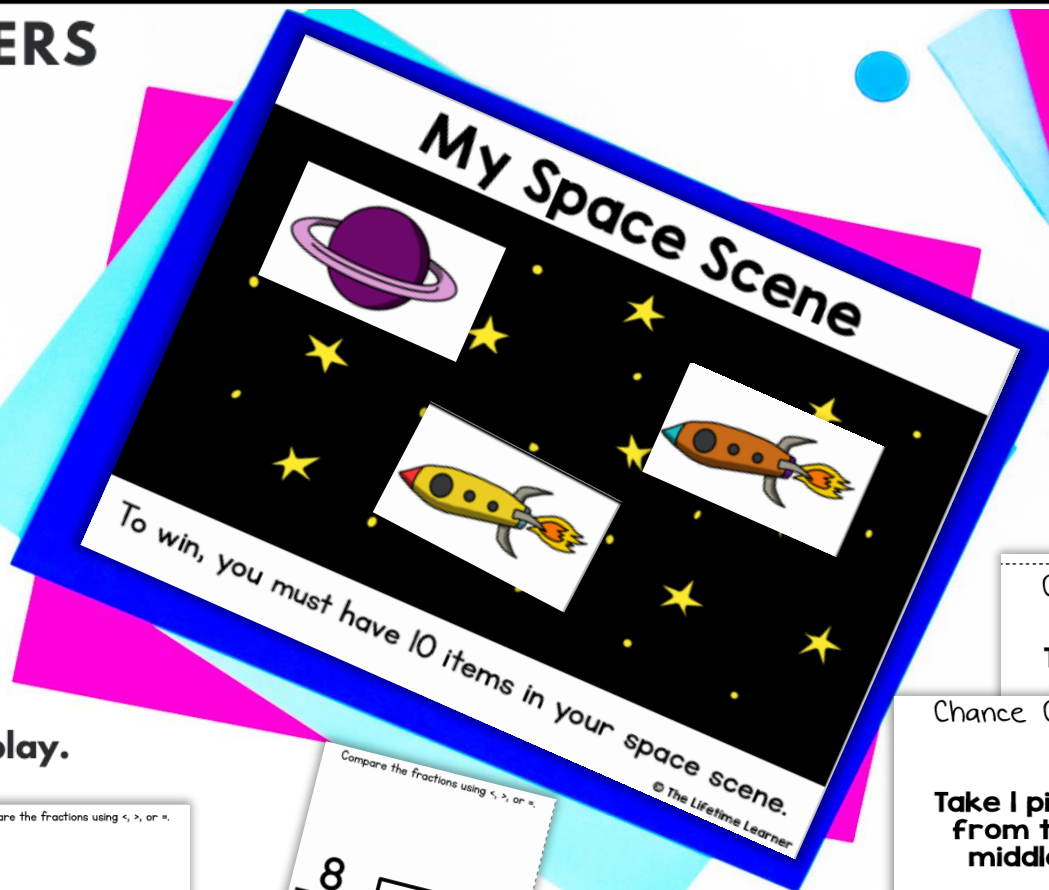
GAME #3

FOR 2-4 PLAYERS



HOW TO PLAY:

1. All players receive a game mat.
2. Students answer a question card.
3. If they are correct, they earn an item.
4. The first person to earn 10 items wins.
5. Chance cards included to spice up gameplay.



Compare the fractions using $<$, $>$, or $=$.

$$\frac{3}{6} \square \frac{3}{8}$$

#2

Compare the fractions using $<$, $>$, or $=$.

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

#1

Compare the fractions using $<$, $>$, or $=$.

$$\frac{8}{1} \square \frac{5}{1}$$

Compare the fractions using $<$, $>$, or $=$.

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

#15



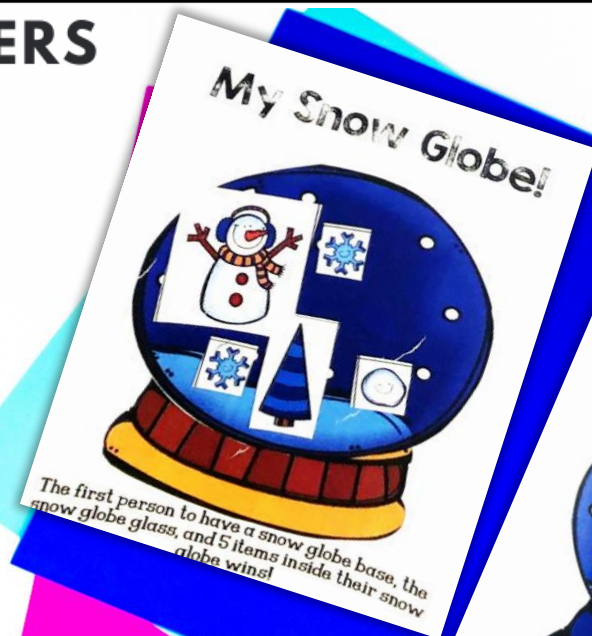
GAME #4

FOR 2-4 PLAYERS



HOW TO PLAY:

1. All players receive a game mat.
2. Students answer a question card.
3. If they are correct, they earn an item.
4. The first person to earn 10 items wins.
5. Chance cards included to spice up gameplay.



Card #13

$$\frac{2}{9} \square \frac{8}{9}$$

Card #9

$$\frac{7}{8} \square \frac{6}{8}$$

Card #10

$$\frac{5}{8} \square \frac{1}{2}$$

Card #12

$$\frac{6}{7} \square \frac{1}{3}$$



BUY THE BUNDLE AND SAVE BIG!

4TH GRADE MATH BUNDLE

Partial Products
Name: *ericka*
Use your knowledge of partial products to solve each equation.

1. Equations: $2 \times 5,096$
 $5000 \times 2 = 10000$
 $0 \times 2 = 0$
 $90 \times 2 = 180$
 $6 \times 2 = 12$

2. Equations: $4 \times 8,923$
 $8000 \times 4 = 32000$
 $900 \times 4 = 3600$
 $20 \times 4 = 80$
 $3 \times 4 = 12$

3. Equations: $8 \times 5,624$
 $5000 \times 8 = 40000$
 $600 \times 8 = 4800$
 $20 \times 8 = 160$
 $4 \times 8 = 32$

4. Equations: $5 \times 2,089$
 $2000 \times 5 = 10000$
 $0 \times 5 = 0$
 $80 \times 5 = 400$
 $9 \times 5 = 45$

My Space Scene
To win, you must have 10 items in your space scene.
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6000+ PAGES

GAMES **ACTIVITIES** **WORKSHEETS**

YOU MAY ALSO LIKE:

PIRATE day <<<<<<< compare fractions
4.NF.2



4th GRADE
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EDITABLE
ROOM TRANSFORMATION

RESTAURANT chef <<<<<<< equivalent fractions
4.NF.1



4th GRADE
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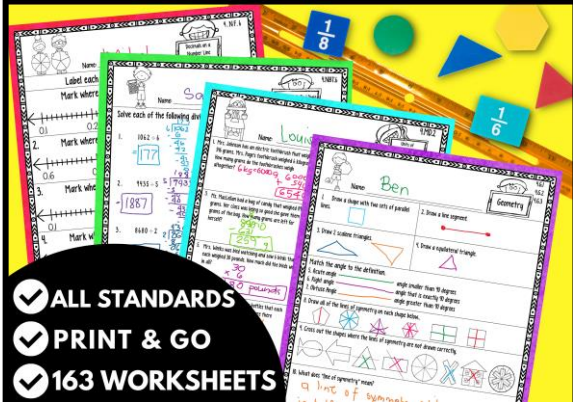
DETECTIVE day <<<<<<< fraction review
4.NF.1-4.NF.7



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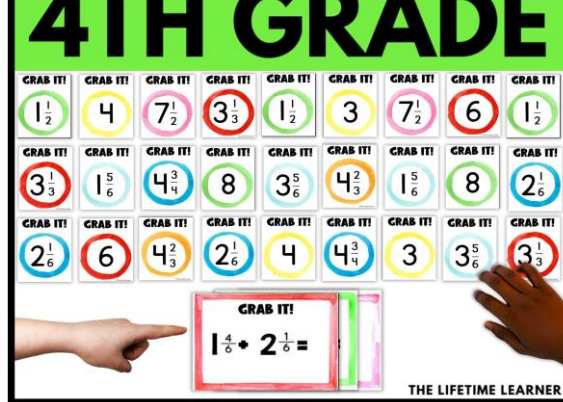
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4TH GRADE
WORKSHEET BUNDLE



✓ ALL STANDARDS
✓ PRINT & GO
✓ 163 WORKSHEETS

GRAB IT! 35 MATH GAMES
4TH GRADE



GRAB IT!
 $1\frac{4}{8} + 2\frac{1}{6} =$

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4TH GRADE BUNDLE
TASK CARDS



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