

EQUIVALENT FRACTIONS

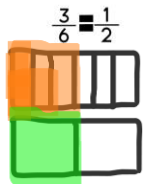


- ✓ GAMES
- ✓ ACTIVITIES
- ✓ WORKSHEETS

4 MINI-LESSONS

Equivalent Fractions with Pictures

Prove they're equal!



$$\frac{3}{6} = \frac{1}{2}$$



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



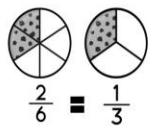
$$\frac{4}{8} = \frac{2}{4}$$

$$\frac{3}{4} = \frac{6}{8}$$

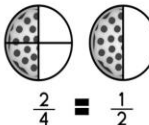
How to Solve

- Step 1: Draw 2 rectangles right next to each other.
- Step 2: Shade in each of the fractions.
- Step 3: Look to see if they are equal!

EXAMPLES:



$$\frac{2}{6} = \frac{1}{3}$$



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

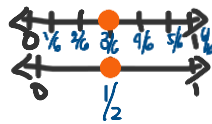
Are $\frac{4}{8}$ and $\frac{6}{8}$ equal? **Yes.**



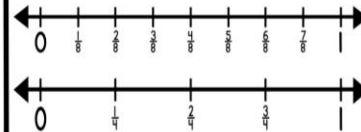
Equivalent Fractions with Number Lines

Prove they're equal!

$$\frac{3}{6} = \frac{1}{2}$$

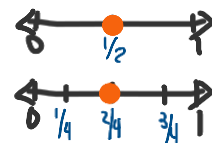


EXAMPLE:



fractions at the same place on the number line are equal

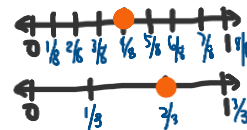
$$\frac{1}{2} = \frac{2}{4}$$



How to Solve

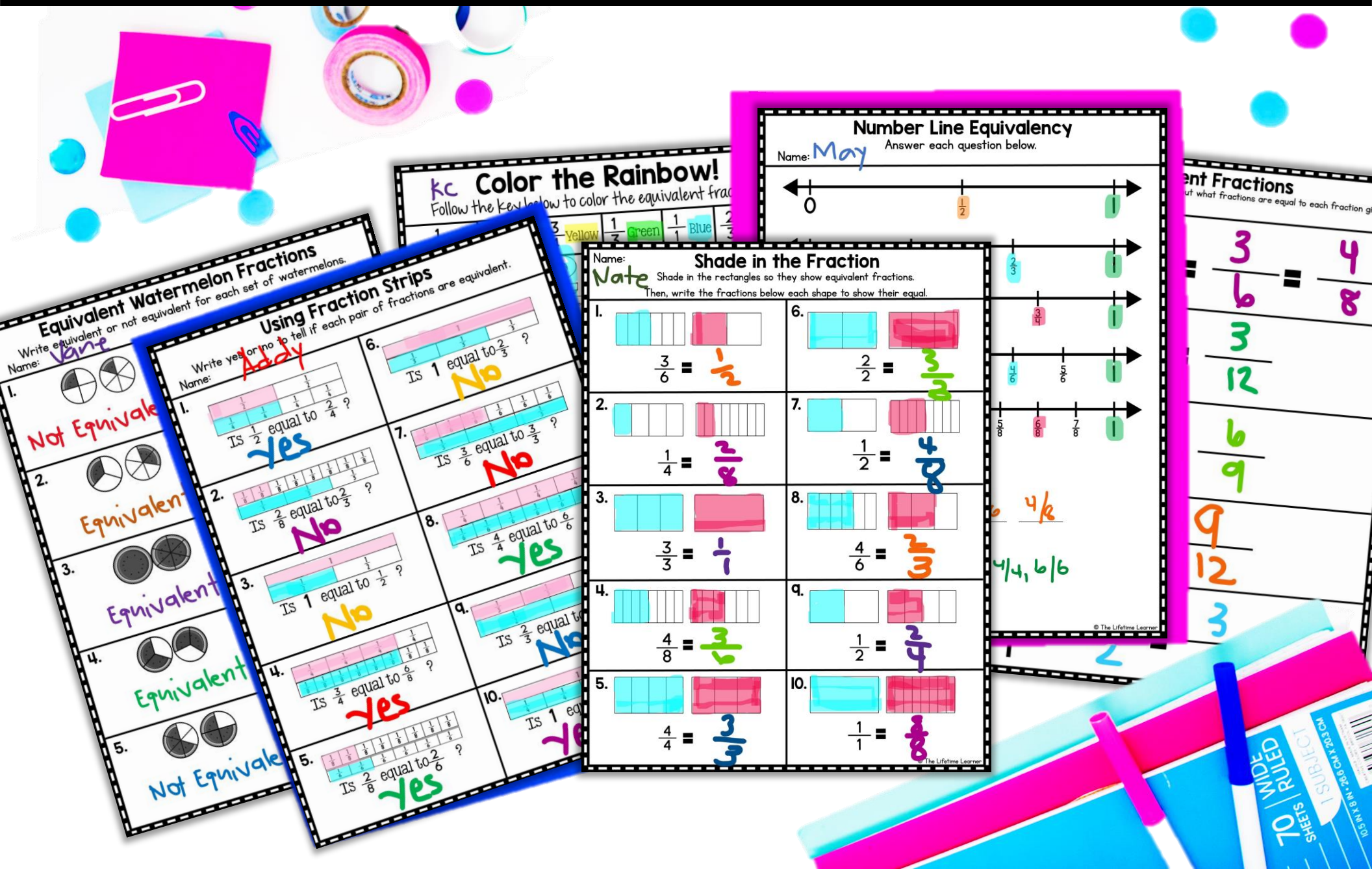
- Step 1: Draw 2 number lines and label them with 0 and 1 on both sides.
- Step 2: Graph the first fraction on the first number line.
- Step 3: Graph the second fraction on the second number line.
- Step 4: See if the fractions fall in the same spot to see if they are equal!

Are $\frac{4}{8}$ and $\frac{2}{3}$ equal? **Not equal**



1. ON NUMBER LINES
2. WITH FRACTION STRIPS
3. WITH PICTURES
4. WITH TRICKS

10 WORKSHEETS



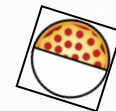
CUT & PASTE ACTIVITY

Food Mix-Up!

Uh oh! It looks like there's been a food mix-up! Can you help each kid get back their correct food in the lunch room? Glue each fraction with the person who has that equivalent fraction.

$\frac{4}{8}$	$\frac{2}{8}$	$\frac{2}{6}$	$\frac{8}{8}$	$\frac{6}{8}$
				
				
				

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E $\frac{2}{4}$ Match with picture

G $\frac{2}{3}$ Match with picture

F $\frac{3}{3}$ Match with picture

I6 $\frac{1}{6}$ Match with a fraction

PIZZA ACTIVITY

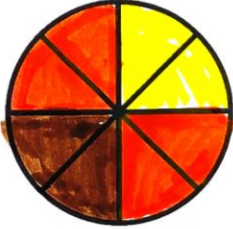
Chef Ali's Pizzas

These pizzas show that even though the fractions are different, you're still getting the same amount of pizza!

Toppings:
Green = green peppers
Orange = cheese
Red = pepperoni
Purple = ham
Gray = mushrooms
Brown = sausage
Yellow = pineapple
Black = olives



My pizza is $\frac{2}{4}$ pepperoni.
My pizza is $\frac{1}{4}$ cheese.
My pizza is $\frac{1}{4}$ sausage.



My pizza is $\frac{4}{8}$ pepperoni.
My pizza is $\frac{2}{8}$ cheese.
My pizza is $\frac{2}{8}$ sausage.



My pizza is $\frac{1}{3}$ green peppers.
My pizza is $\frac{2}{3}$ pineapple.



My pizza is $\frac{2}{6}$ green peppers.
My pizza is $\frac{4}{6}$ pineapple.

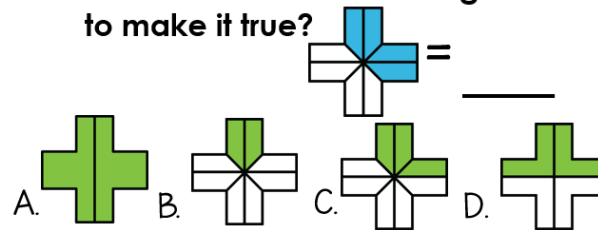
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ERROR ANALYSIS

4 PAGES

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

Which fraction could be added to the diagram to make it true?



The student says:

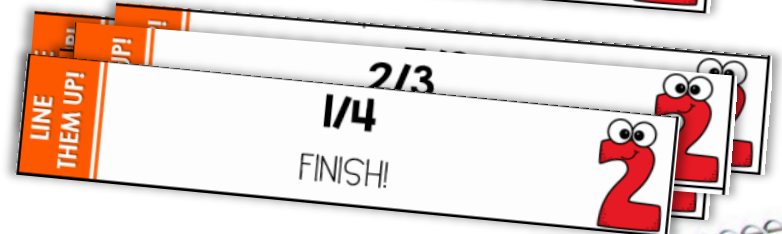
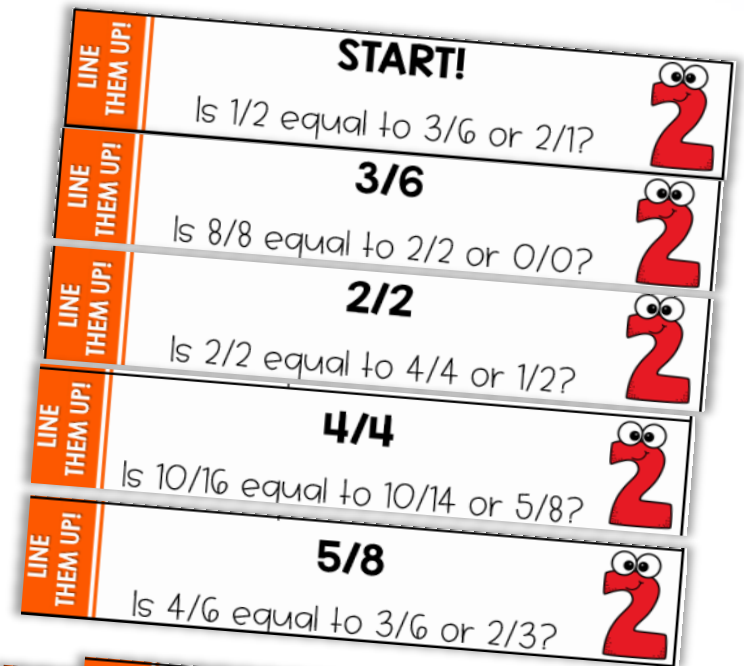
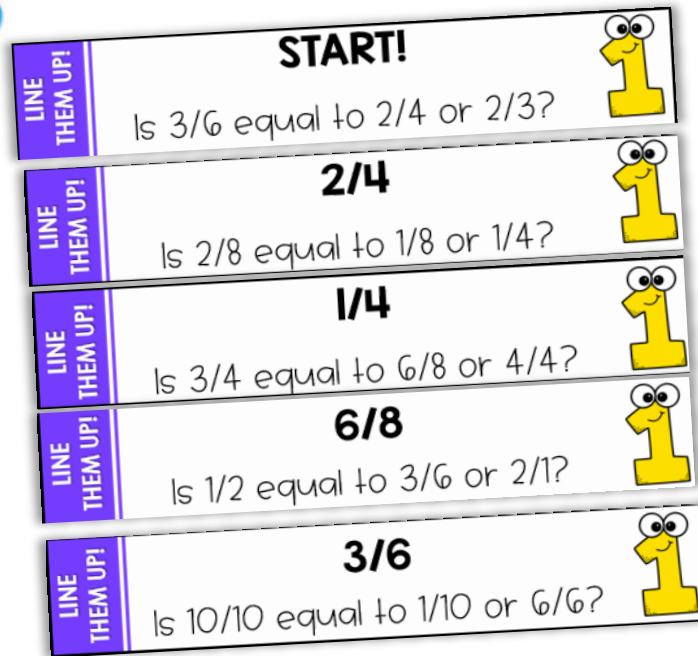
The answer is C because it looks the most similar to what is shaded in on the blue diagram.

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

X

You don't choose the closest one. The correct answer is D. $\frac{2}{4}$ is equal to $\frac{4}{8}$.

GAME #1

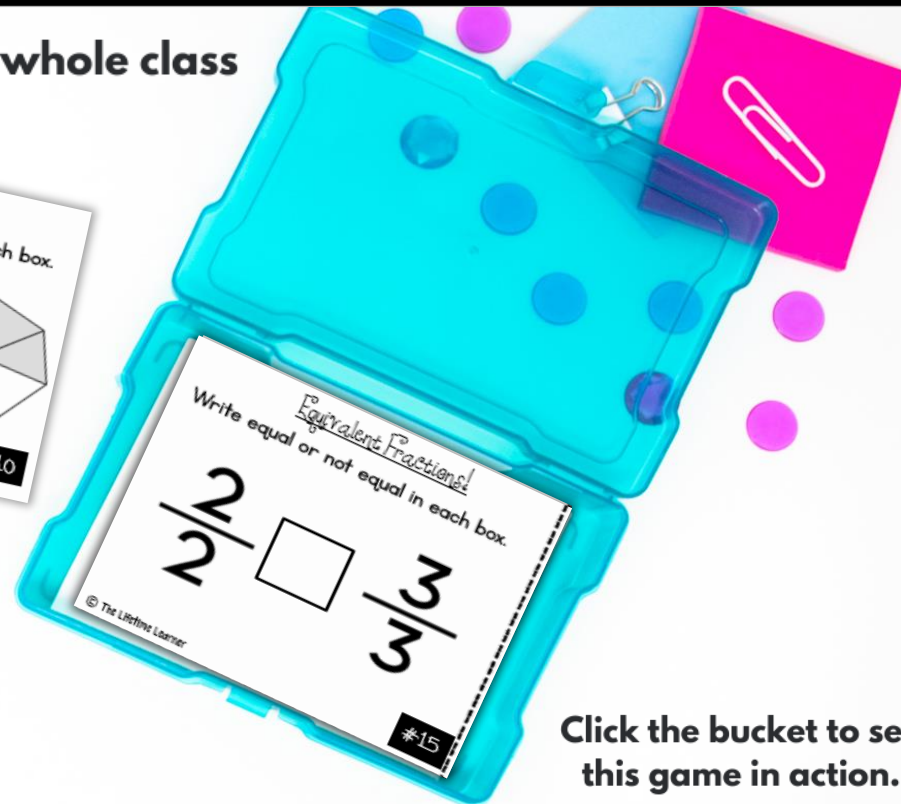
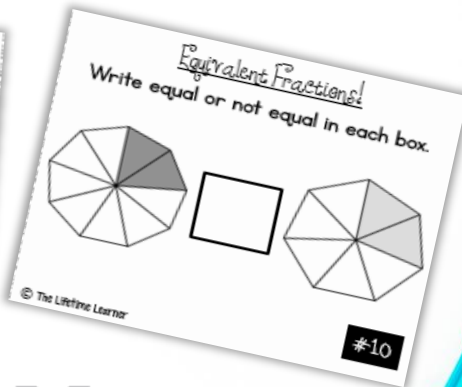
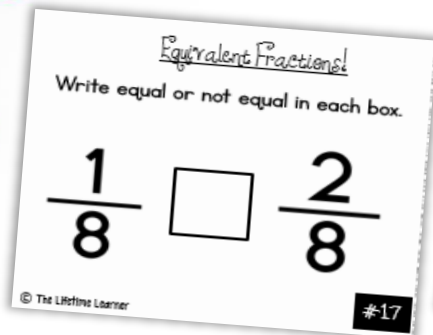


HOW TO PLAY:

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

GAME #2

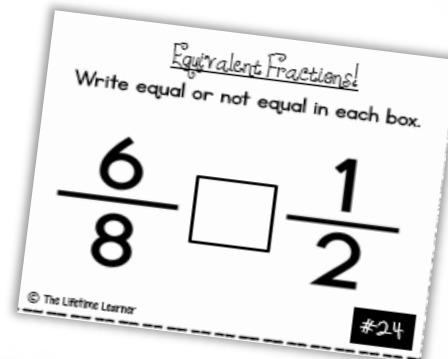
the perfect game to play with the whole class



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.



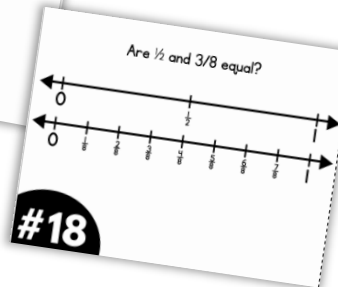
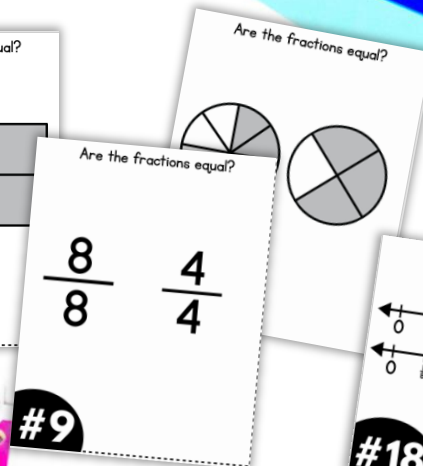
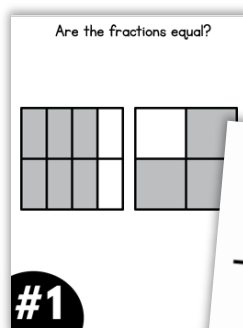
GAME #3

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.



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:

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



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EDITABLE
ROOM TRANSFORMATION

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



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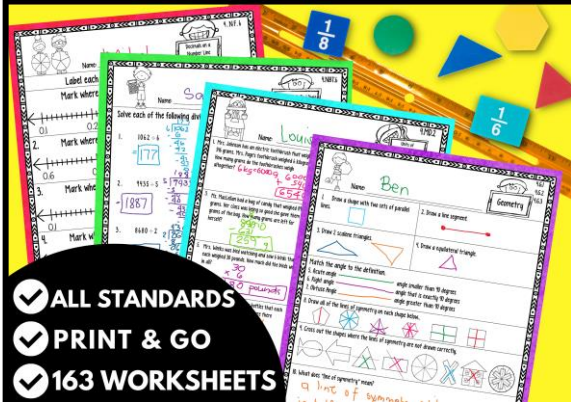
DETECTIVE
day <<<<<<< fraction review
4.NF.1-4.NF.7



4th GRADE
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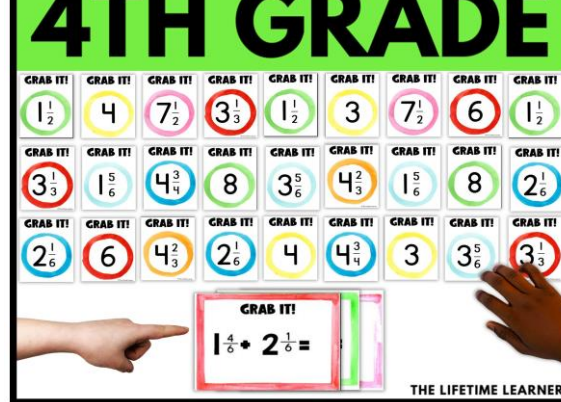
EDITABLE
ROOM TRANSFORMATION

4TH GRADE
WORKSHEET BUNDLE



ALL STANDARDS
PRINT & GO
163 WORKSHEETS

GRAB IT! 35 MATH GAMES
4TH GRADE



GRAB IT!
 $1\frac{4}{5} \div 2\frac{1}{5} =$

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4TH GRADE BUNDLE
TASK CARDS



DIGITAL
PRINTABLE
130 GAMES

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