

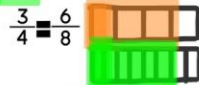
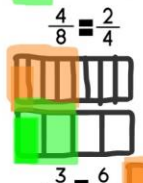
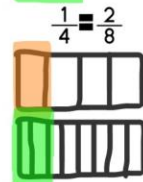
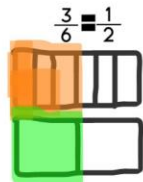
EQUIVALENT FRACTIONS



4 MINI-LESSONS

Equivalent Fractions with Pictures

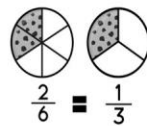
Prove they're equal!



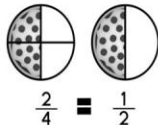
How to Solve

- 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:

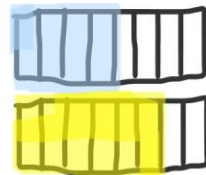


$$\frac{2}{6} = \frac{1}{3}$$



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

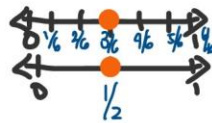
Are $\frac{4}{8}$ and $\frac{6}{8}$ equal? *Yes.*



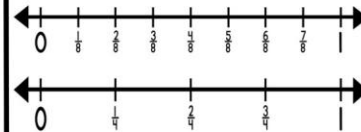
Equivalent Fractions with Number Lines

Prove they're equal!

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

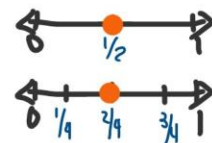


EXAMPLE:



fractions at the same place on the number line are equal

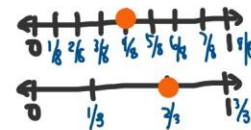
$$\frac{1}{2} = \frac{2}{4}$$



How to Solve

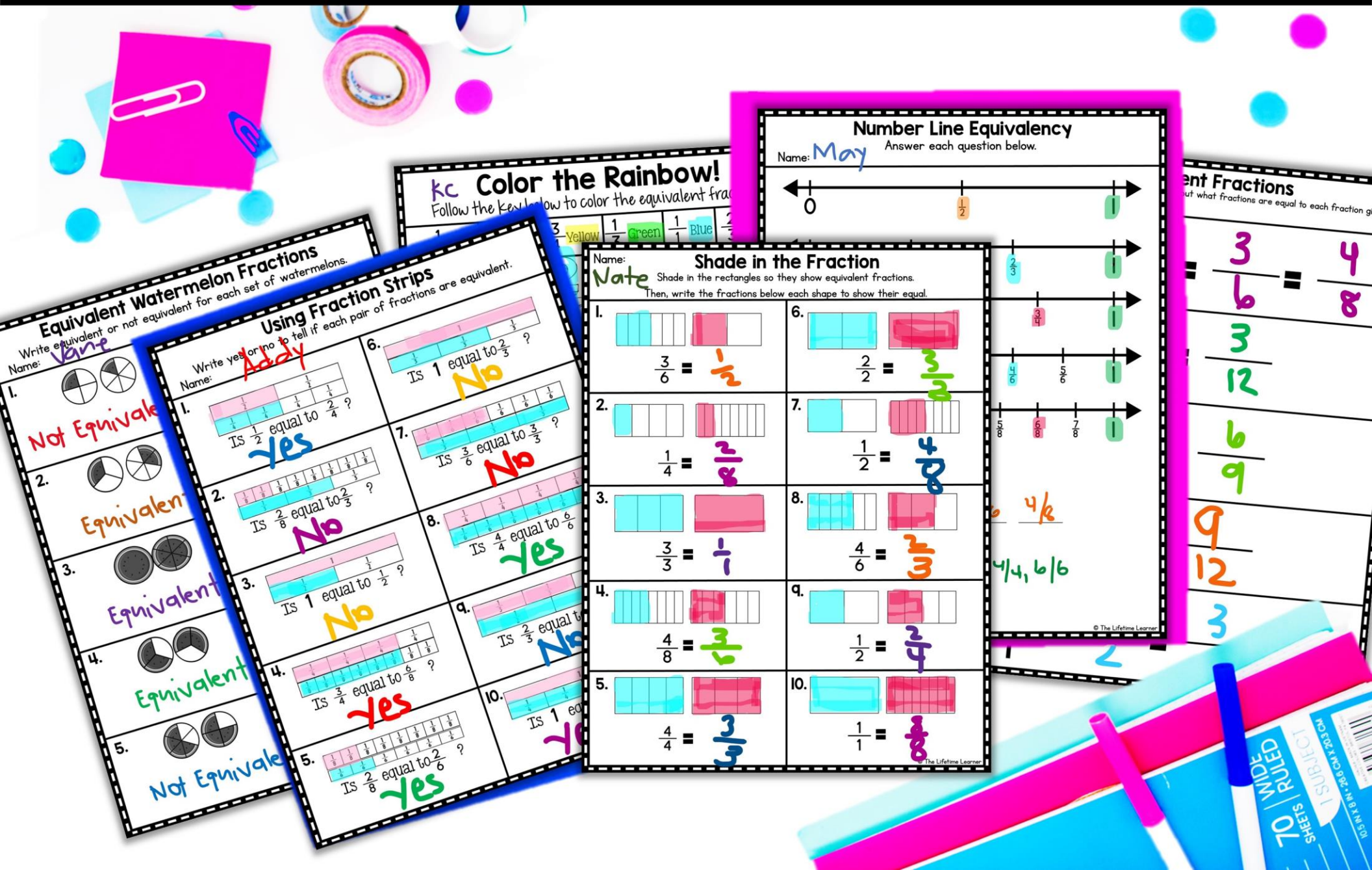
- Step 1: Draw 2 number lines and label them with 0 and 1 on both sides.
- Step 2: Graph the first fraction on the first number line.
- Step 3: Graph the second fraction on the second number line.
- Step 4: See if the fractions fall in the same spot to see if they are equal!

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



Equivalent Watermelon Fractions

Write equivalent or not equivalent for each set of watermelons.

Name: Vane

- Not Equivalent
- Equivalent
- Equivalent
- Equivalent
- Not Equivalent

Using Fraction Strips

Write yes or no to tell if each pair of fractions are equivalent.

Name: Adity

- Is $\frac{1}{2}$ equal to $\frac{2}{4}$? Yes
- Is $\frac{2}{8}$ equal to $\frac{2}{3}$? No
- Is 1 equal to $\frac{1}{2}$? No
- Is $\frac{3}{4}$ equal to $\frac{6}{8}$? Yes
- Is $\frac{2}{8}$ equal to $\frac{2}{6}$? Yes

KC Color the Rainbow!

Follow the key below to color the equivalent fractions.

1/2 Yellow, 1/3 Green, 1/4 Blue, 1/5 Purple, 1/6 Orange, 1/7 Pink, 1/8 Light Blue, 1/9 Light Green, 1/10 Light Purple

Number Line Equivalency

Answer each question below.

Name: May

0 $\frac{1}{2}$ 1

2/3, 3/4, 4/5, 5/6, 6/7, 7/8, 8/9, 9/10

Shade in the Fraction

Shade in the rectangles so they show equivalent fractions. Then, write the fractions below each shape to show their equal.

Name: Nate

- $\frac{3}{6} = \frac{1}{2}$
- $\frac{1}{4} = \frac{2}{8}$
- $\frac{1}{3} = \frac{2}{6}$
- $\frac{4}{8} = \frac{1}{2}$
- $\frac{1}{4} = \frac{2}{8}$
- $\frac{1}{2} = \frac{2}{4}$
- $\frac{4}{6} = \frac{2}{3}$
- $\frac{1}{2} = \frac{2}{4}$
- $\frac{1}{4} = \frac{2}{8}$
- $\frac{1}{4} = \frac{2}{8}$

Equivalent Fractions

What fractions are equal to each fraction given?

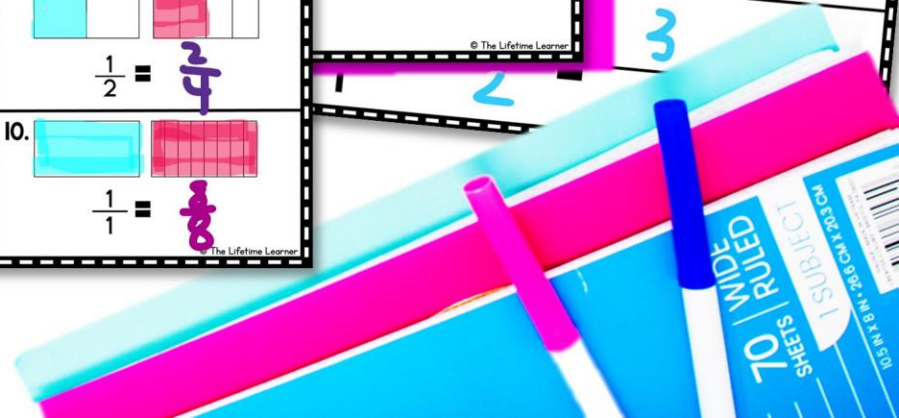
$\frac{3}{6} = \frac{4}{8}$

$\frac{3}{12}$

$\frac{6}{9}$

$\frac{9}{12}$

$\frac{3}{4}$



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.

$$\frac{4}{8}$$



$$\frac{2}{8}$$



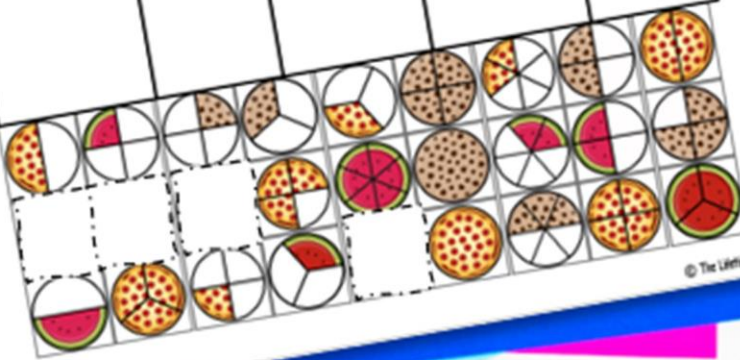
$$\frac{2}{6}$$



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



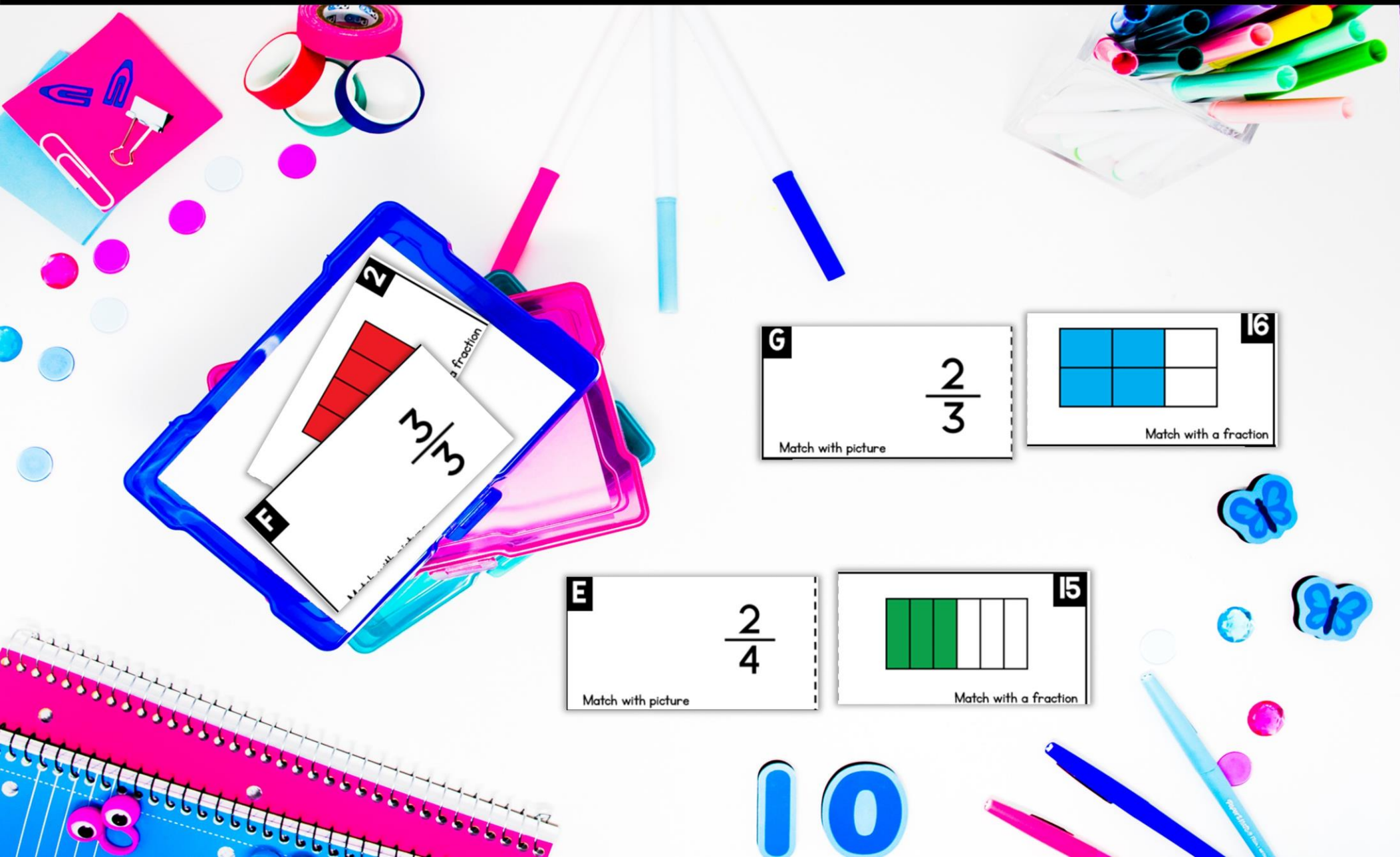
$$\frac{6}{8}$$



© The Lifetime Learner



MATH PUZZLES



PIZZA ACTIVITY

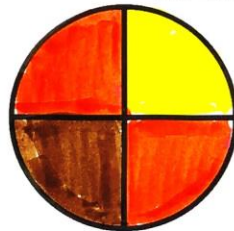


Chef Ali 's Pizzas

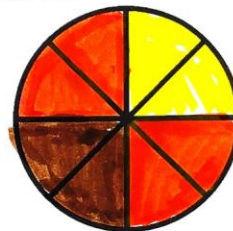
These pizzas show that even though the fractions are different,
you're still getting the same amount of pizza!

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.

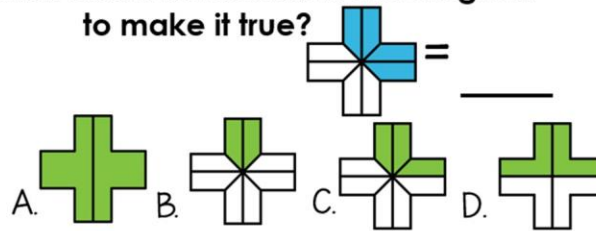
The Lifetime Learner

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:

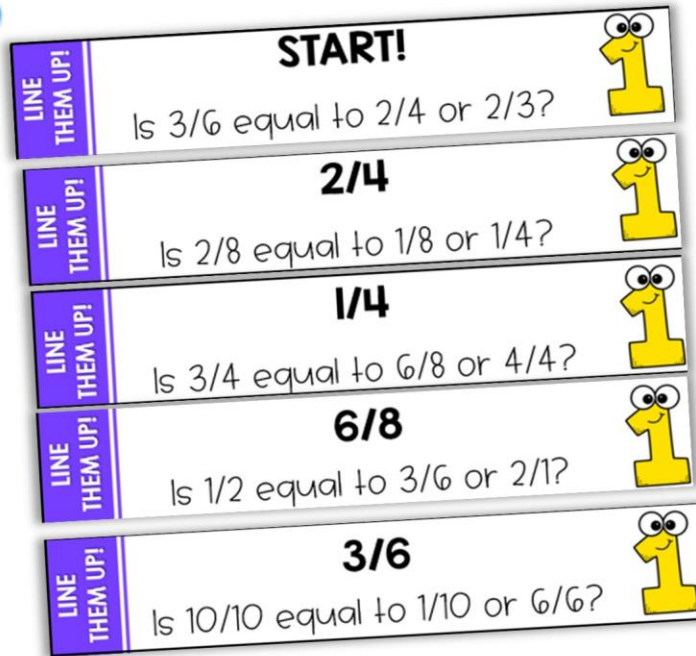
The answer is C because it looks the most similar to what is shaded in on the blue diagram.

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

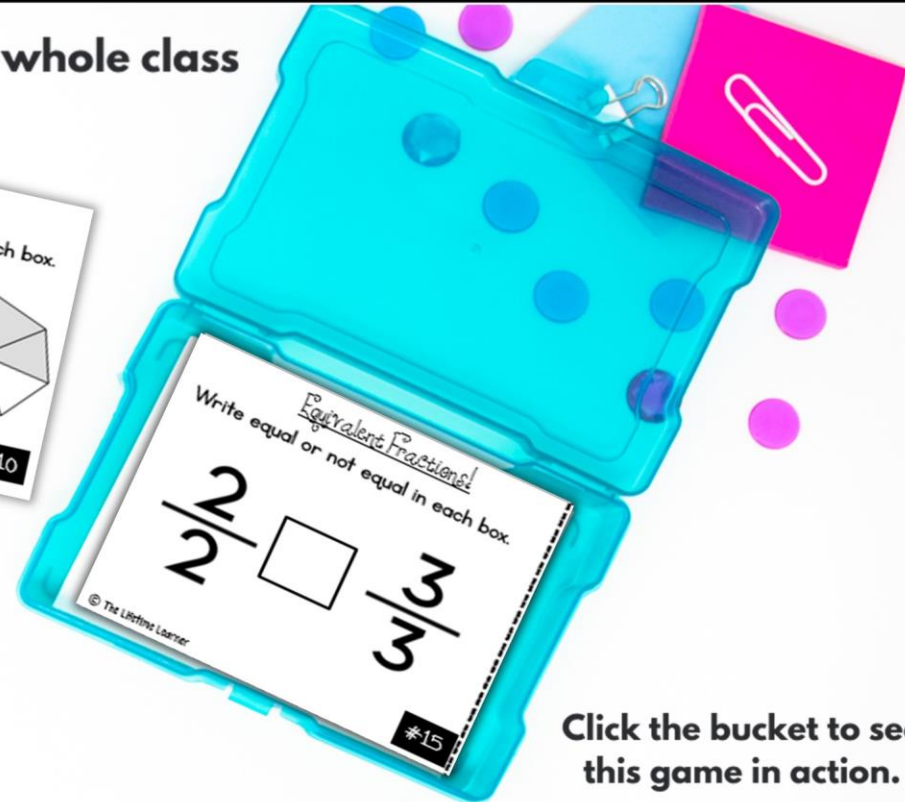
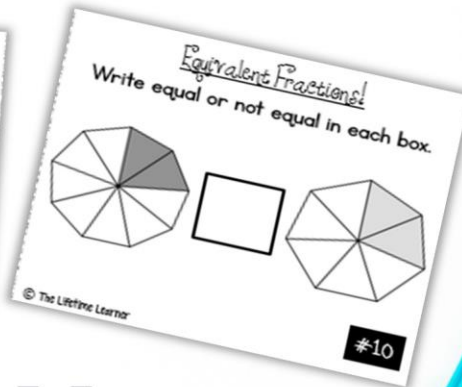
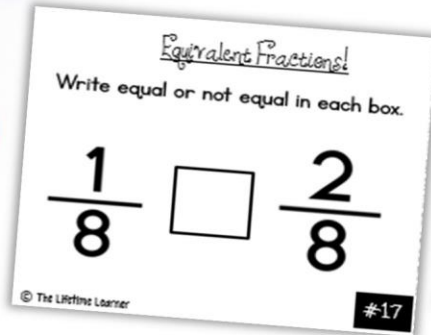


HOW TO PLAY:

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

GAME #2

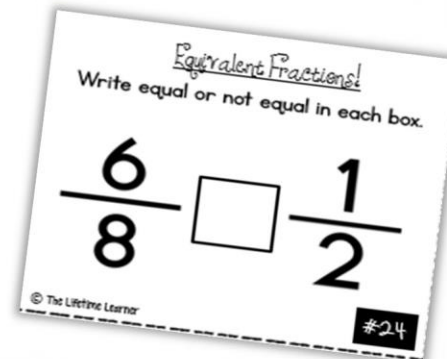
the perfect game to play with the whole class



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.



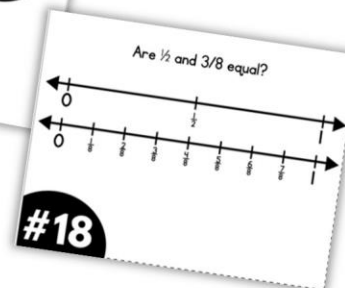
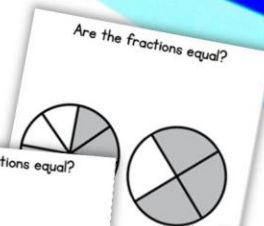
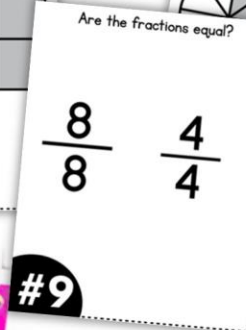
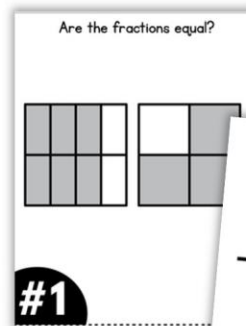
GAME #3

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!

3RD GRADE MATH BUNDLE

Name: Lindsay The Beach

Write the number of the matching word problem on each bucket to show which sandcastle goes with each word problem.

Sandcastle	Letter	Number
A	#6	
B	#5	
C	#2	
D	#4	
E	#1	
F	#3	

- There are 2 sharks. Each one has 5 teeth. How many teeth do the sharks have combined? $2 \times 5 = 10$
- There are 54 fish in the water. They are split between 6 small pools equally. How many fish are in each pool of water? $54 \div 6 = 9$
- There are 36 umbrellas for sale on the beach. 6 umbrellas are sold each hour. How many hours did it take to sell all of the umbrellas? $36 \div 6 = 6$
- There are 3 fences facing the beach. There are four seagulls sitting on each one. How many seagulls are there total? $3 \times 4 = 12$
- There are 12 surfers out in the water. They are chatting in groups of 4. How many groups are chatting? $12 \div 4 = 3$
- There are 50 seals out in the ocean. They are sitting in groups of 10. How many groups of seals are there? $50 \div 10 = 5$

My Castle



To win, you must have 10 items in your castle.

© The Lifetime Learner

7000+
PAGES

GAMES

ACTIVITIES

WORKSHEETS

YOU MAY ALSO LIKE:

RESTAURANT
chef <<<<<<< equivalent fractions
3.NF.3



3rd GRADE
By: The Lifetime Learner

EDITABLE
ROOM TRANSFORMATION

PIRATE
day <<<<<<< compare fractions
3.NF.3



3rd GRADE
By: The Lifetime Learner

EDITABLE
ROOM TRANSFORMATION

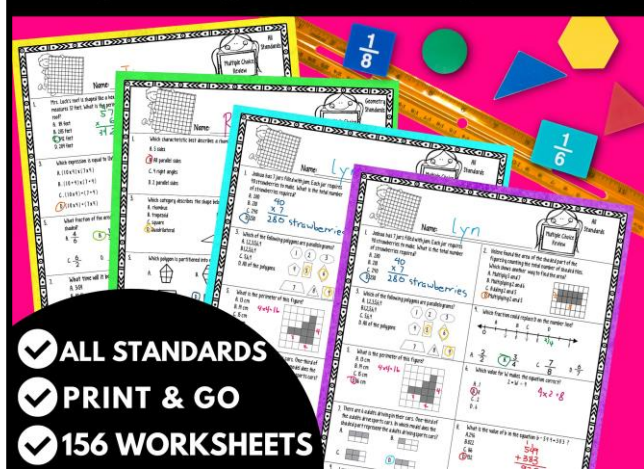
DETECTIVE
day <<<<<<< fraction review
3.NF.1-3.NF.3



3rd GRADE
By: The Lifetime Learner

EDITABLE
ROOM TRANSFORMATION

3RD GRADE
WORKSHEET BUNDLE



ALL STANDARDS
PRINT & GO
156 WORKSHEETS

GRAB IT! 29 MATH GAMES
3RD GRADE



GRAB IT!
 $-3=2$

THE LIFETIME LEARNER

3RD GRADE BUNDLE
TASK CARDS



DIGITAL
PRINTABLE
166 GAMES

© The Lifetime Learner