

EQUIVALENT FRACTIONS



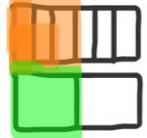
- ✓ GAMES
- ✓ ACTIVITIES
- ✓ WORKSHEETS

4 MINI-LESSONS

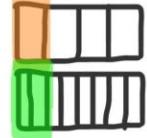
Equivalent Fractions with Pictures

Prove they're equal!

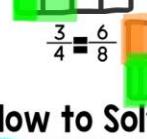
$$\frac{3}{6} = \frac{1}{2}$$



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



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



How to Solve

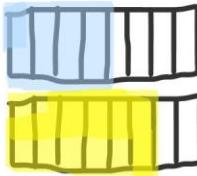
- Step 1: Draw 2 rectangles right next to each other.
- Step 2: Shade in each of the fractions.
- Step 3: Look to see if they are equal!

EXAMPLES:

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

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

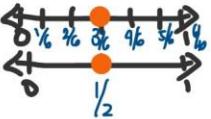
Are $\frac{4}{8}$ and $\frac{6}{8}$ equal?



Equivalent Fractions with Number Lines

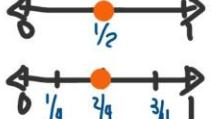
Prove they're equal!

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



EXAMPLE:

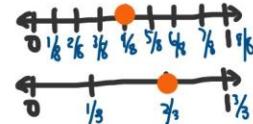
$$\frac{1}{2} = \frac{2}{4}$$



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

$\frac{1}{5}$
 $\frac{1}{10}$

$\frac{1}{12}$

$\frac{1}{12}$

$\frac{1}{8}$

$\frac{1}{4}$



10 WORKSHEETS

Equivalent Watermelon Fractions
Name: *Vane*
Write equivalent or not equivalent for each set of watermelons.

Using Fraction Strips
Name: *Addy*
Write yes or no to tell if each pair of fractions are equivalent.

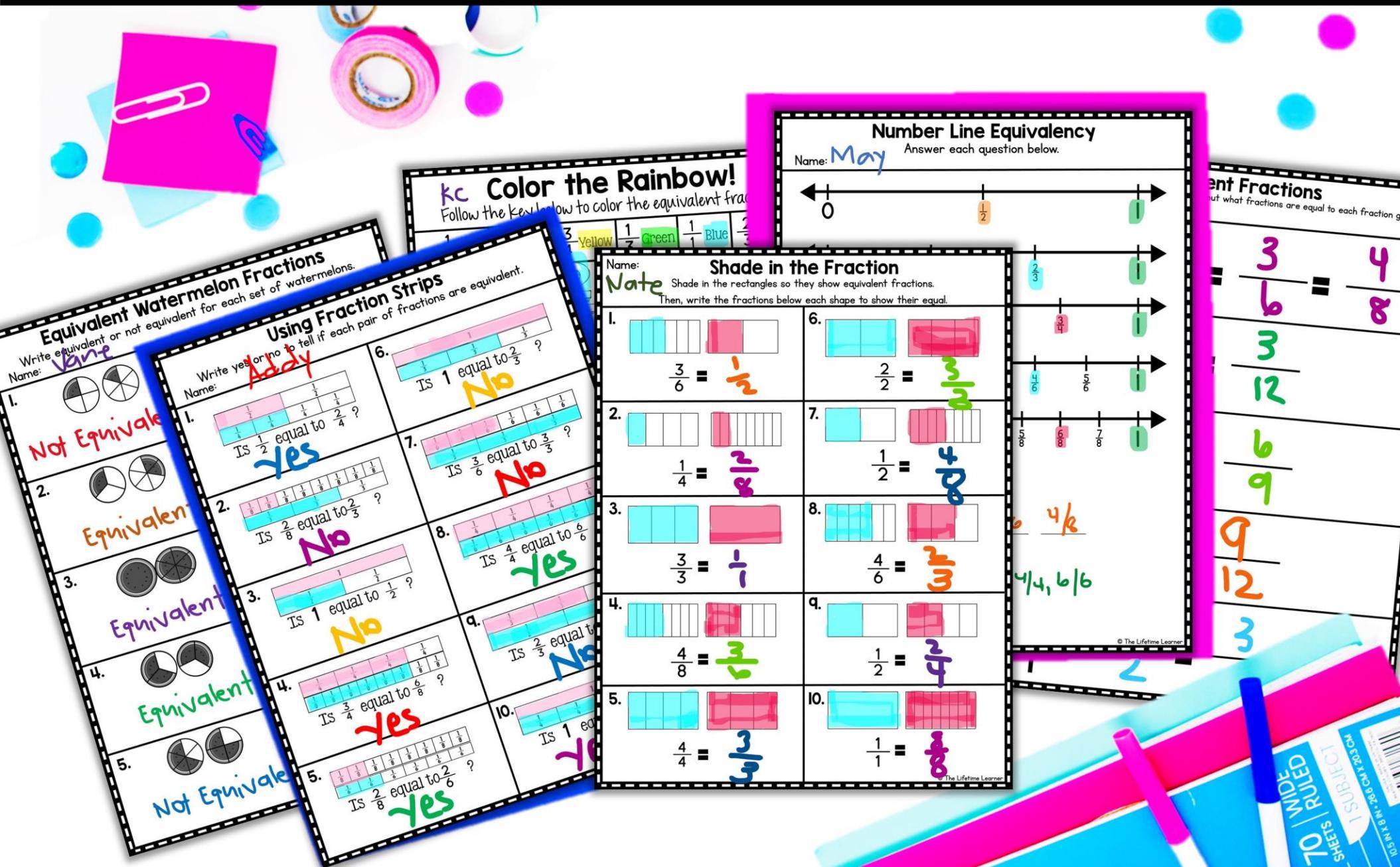
KC Color the Rainbow!
Follow the key below to color the equivalent fractions.

Number Line Equivalency
Name: *May*
Answer each question below.

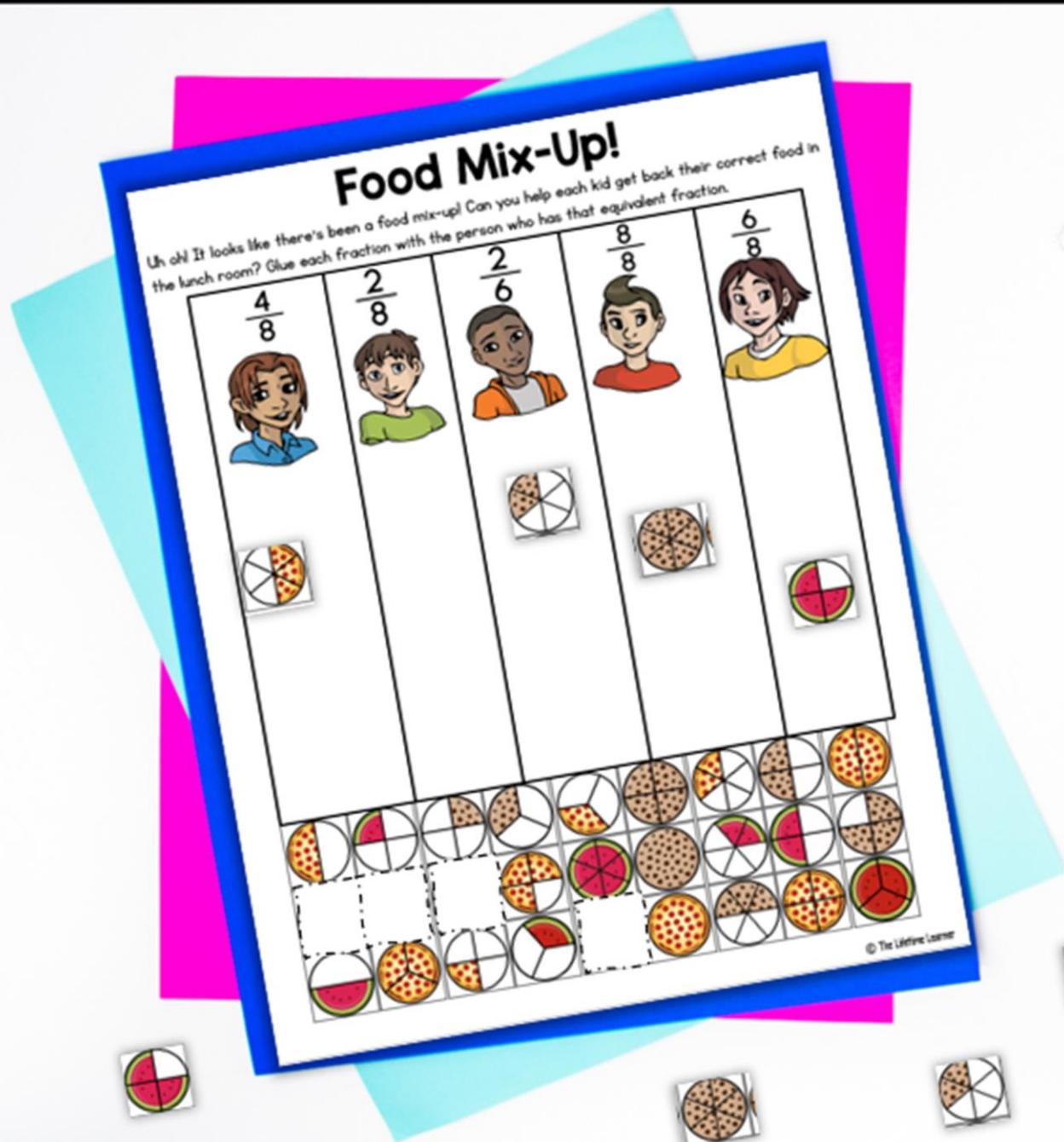
Shade in the Fraction
Name: *Nate*
Shade in the rectangles so they show equivalent fractions. Then, write the fractions below each shape to show their equal.

Equivalent Fractions
Name: *John*
Put what fractions are equal to each fraction given.

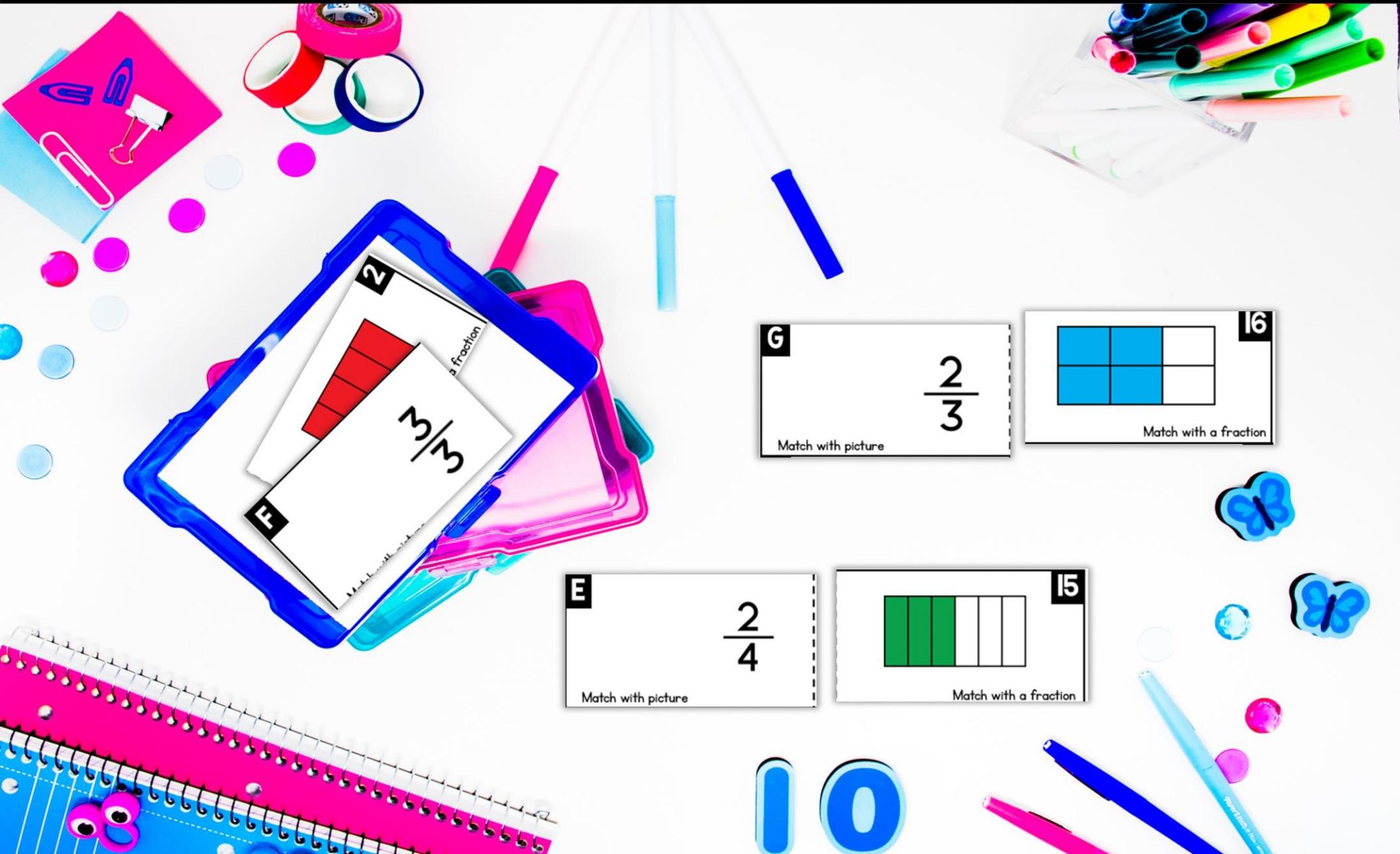
WIDE RULED
10 SHEETS
1 SUBJECT
10.5" x 8.5" x 20.3 cm
10.5" x 8.5" x 20.3 cm



CUT & PASTE ACTIVITY



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	Gray = mushrooms
Orange = cheese	Brown = sausage
Red = pepperoni	Yellow = pineapple
Purple = ham	Black = olives

My pizza is $2/4$ pepperoni.
My pizza is $1/4$ cheese.
My pizza is $1/4$ sausage.

My pizza is $4/8$ pepperoni.
My pizza is $2/8$ cheese.
My pizza is $2/8$ sausage.

My pizza is $1/3$ green peppers.
My pizza is $2/3$ pineapple.

My pizza is $2/6$ green peppers.
My pizza is $4/6$ pineapple.

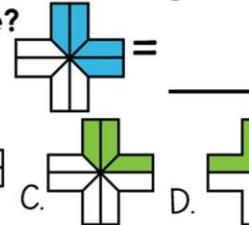
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ERROR ANALYSIS

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?



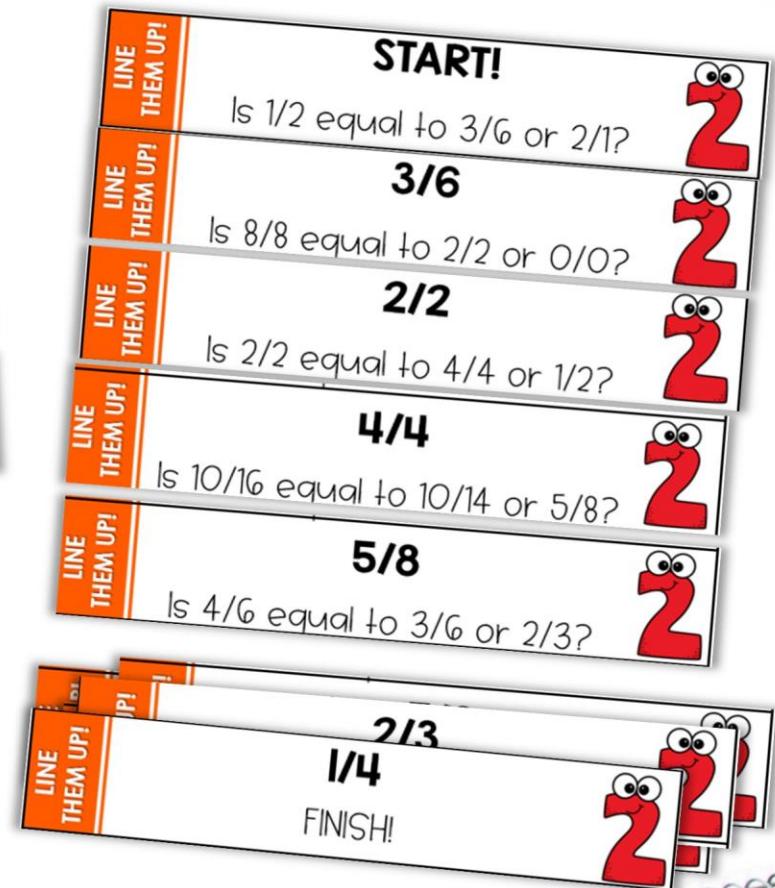
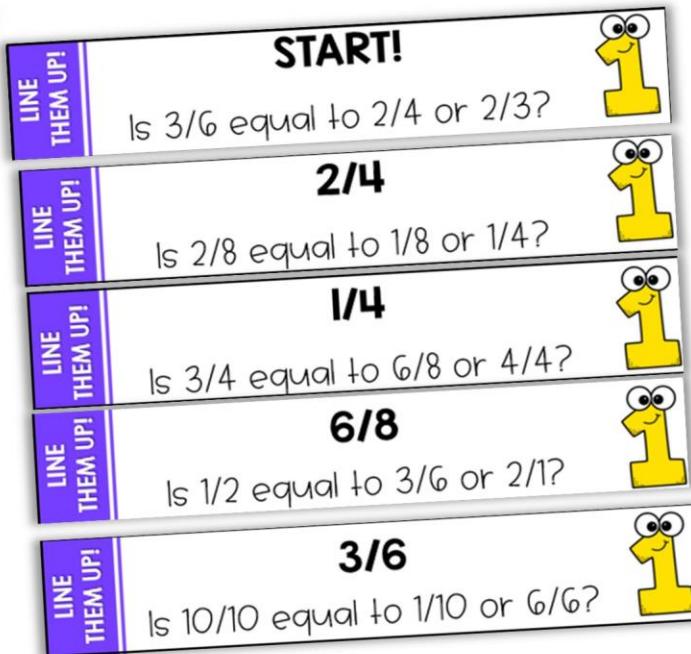
The student says:

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.

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

GAME #1



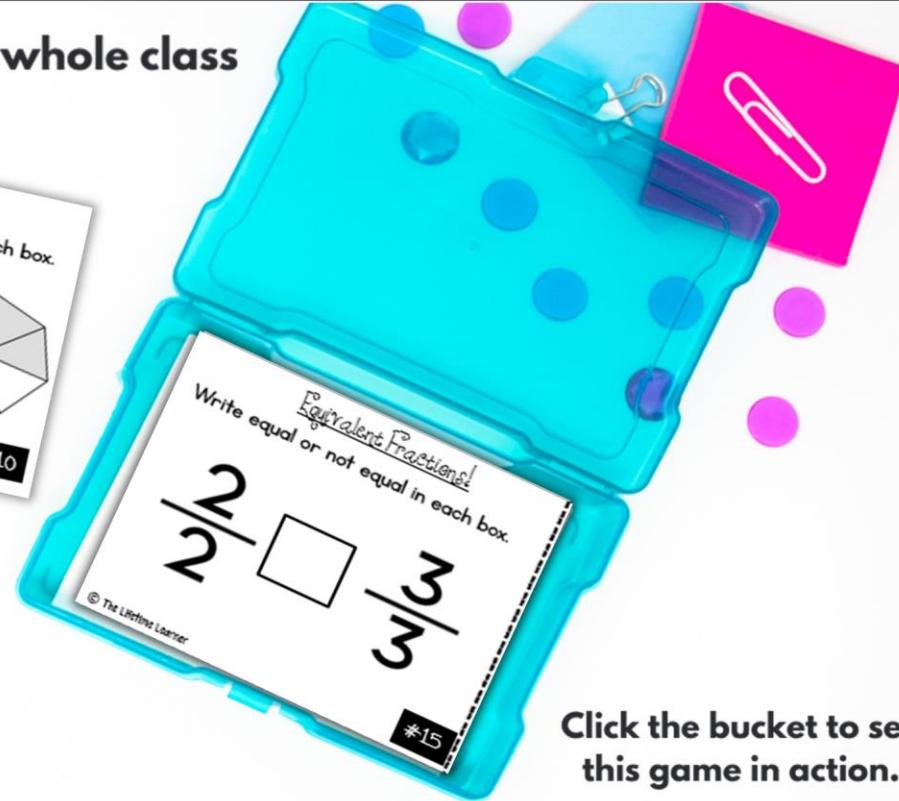
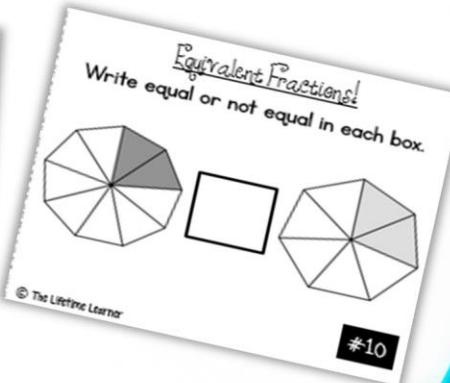
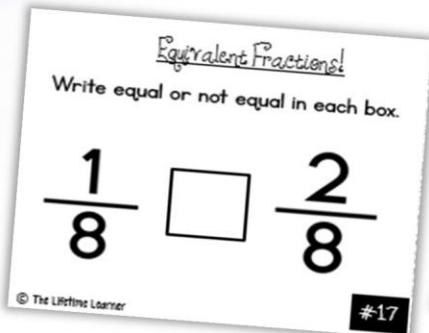
HOW TO PLAY:

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



GAME #2

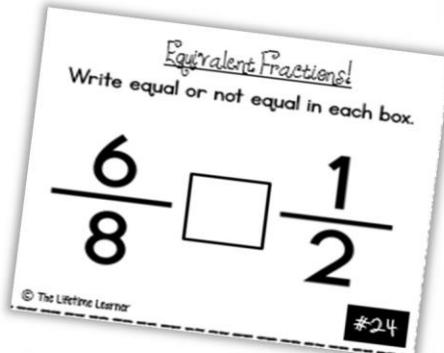
the perfect game to play with the whole class



Click the bucket to see this game in action.

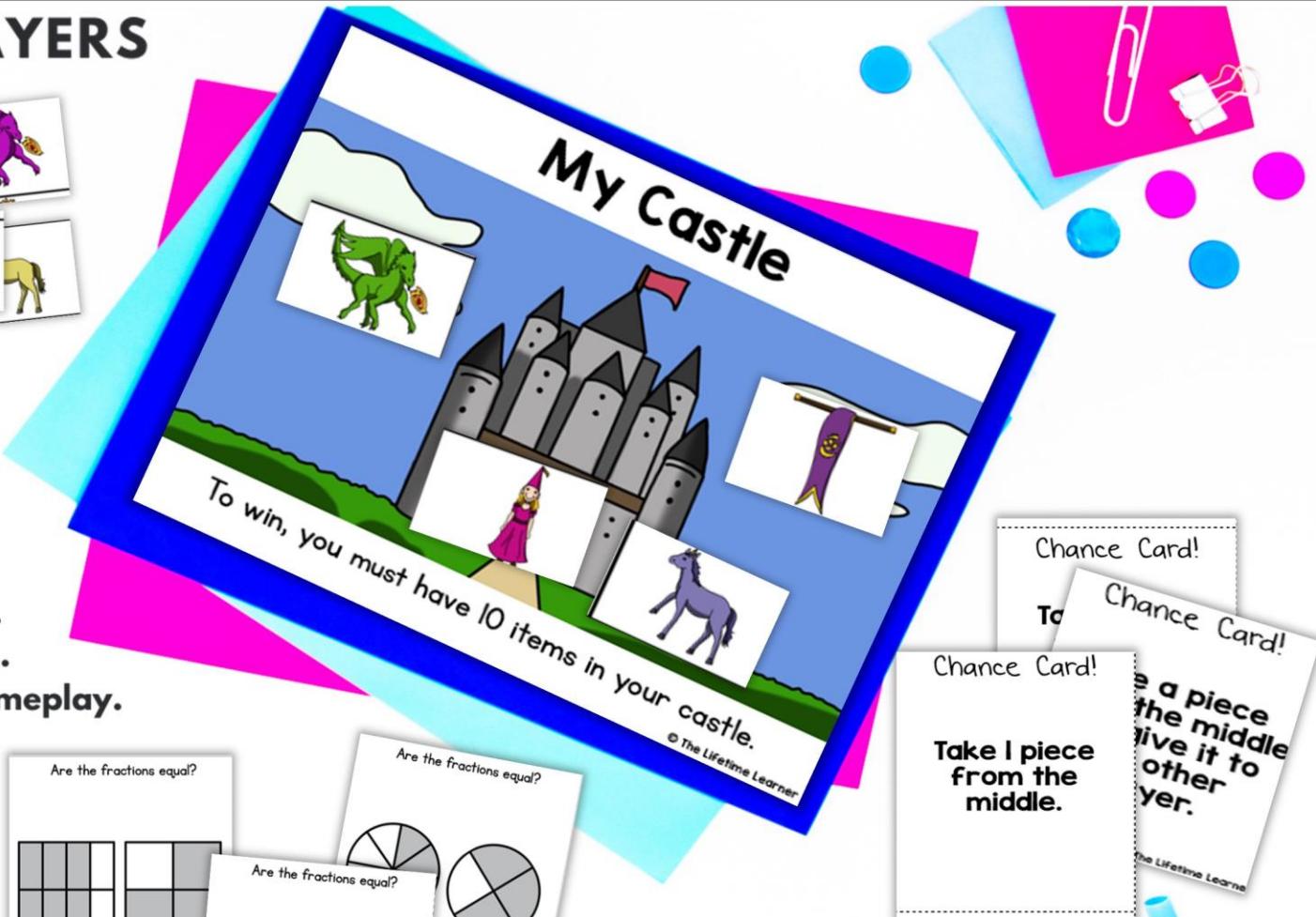
HOW TO PLAY:

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.



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GAMES **ACTIVITIES** **WORKSHEETS**

My Castle

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

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The Beach

Name: **Lindsay**

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

A	#5	B	#5	C	#2
D	#4	E	#1	F	#3

1. There are 2 sharks. Each one has 5 teeth. How many teeth do the teeth have combined? $2 \times 5 = 10$

2. There are 54 fish in the water. They are split between 6 small pools equally. How many fish are in each pool of water? $54 \div 6 = 9$

3. 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? $36 \div 6 = 6$

4. There are 3 fences facing the beach. There are four seagulls sitting on each one. How many seagulls are there total? $3 \times 4 = 12$

5. There are 12 surfers out in the water. They are chatting in groups of 4. How many groups are chatting? $12 \div 4 = 3$

6. There are 50 seals out in the ocean. They are sitting in groups of 10. How many groups of seals are there? $50 \div 10 = 5$

YOU MAY ALSO LIKE:

RESTAURANT chef  **equivalent fractions**  3.NF.3



EDITABLE **ROOM TRANSFORMATION**

PIRATE day  **compare fractions**  3.NF.3



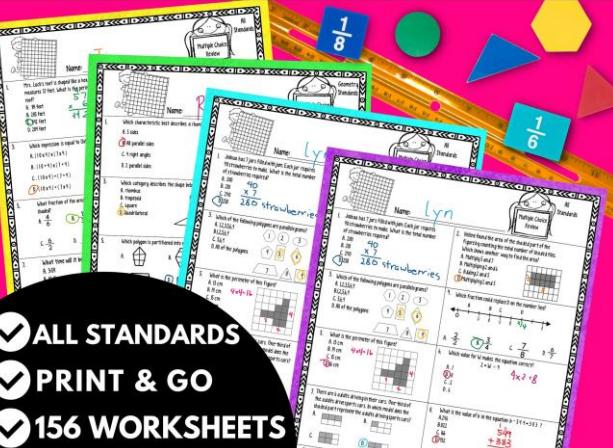
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EDITABLE **ROOM TRANSFORMATION**

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