

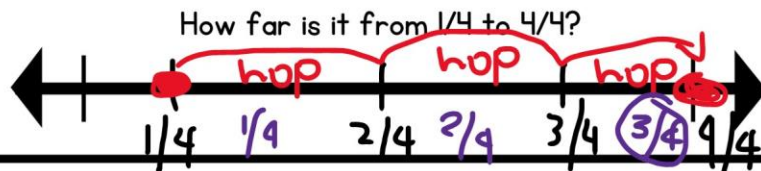
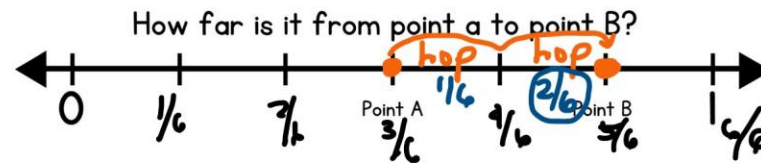
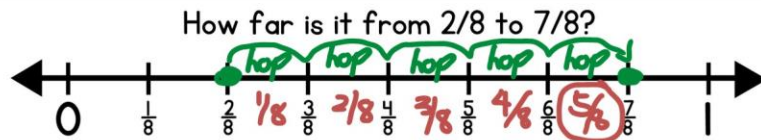
DISTANCE BETWEEN FRACTIONS ON NUMBER LINES



- ✓ GAMES
- ✓ ACTIVITIES
- ✓ WORKSHEETS

MINI LESSON

Distance Between Fractions on Number Lines

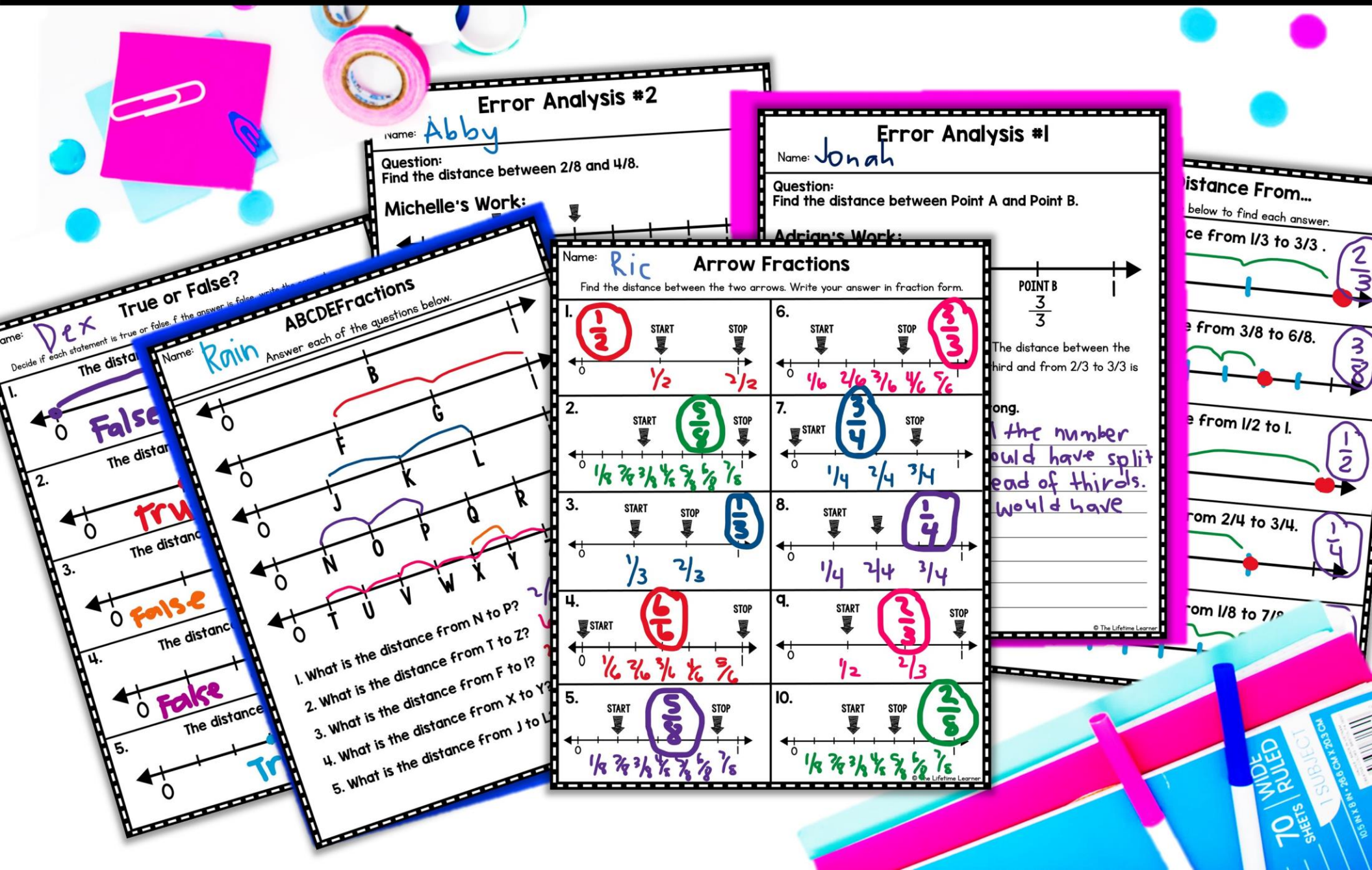


How to measure the distance between two fractions:

1. Find the first fraction on the number line.
2. Find the second fraction on the number line.
3. Count how many "hops" there are from the first fraction to the second!
4. Write your answer as a fraction.



13 WORKSHEETS



True or False?

Name: Dex

1. The distance from 0 to 1/2 is 1/2. True or False? **False**

2. The distance from 0 to 1/3 is 1/3. True or False? **True**

3. The distance from 0 to 1/4 is 1/4. True or False? **False**

4. The distance from 0 to 1/5 is 1/5. True or False? **False**

5. The distance from 0 to 1/6 is 1/6. True or False? **True**

ABCDEFractions

Name: Rain

Answer each of the questions below.

1. What is the distance from N to P?

2. What is the distance from F to I?

3. What is the distance from X to Y?

4. What is the distance from J to L?

5. What is the distance from T to Z?

Error Analysis #2

Name: Abby

Question: Find the distance between 2/8 and 4/8.

Michelle's Work:

Error Analysis #1

Name: Jonah

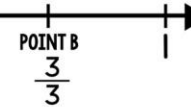
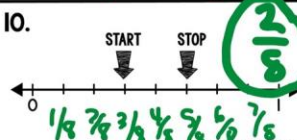
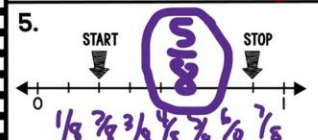
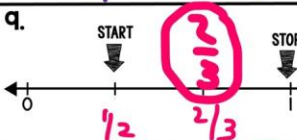
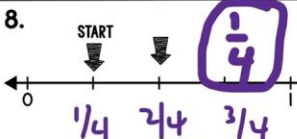
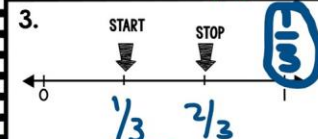
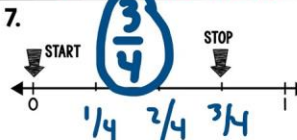
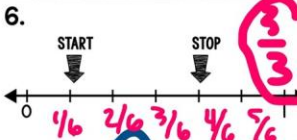
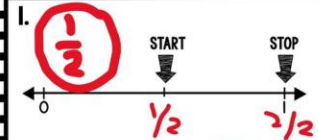
Question: Find the distance between Point A and Point B.

Adrian's Work:

Arrow Fractions

Name: Ric

Find the distance between the two arrows. Write your answer in fraction form.



The distance between the third and from 2/3 to 3/3 is

long. The number could have split each of thirds. would have

distance From...

below to find each answer.

distance from 1/3 to 3/3.

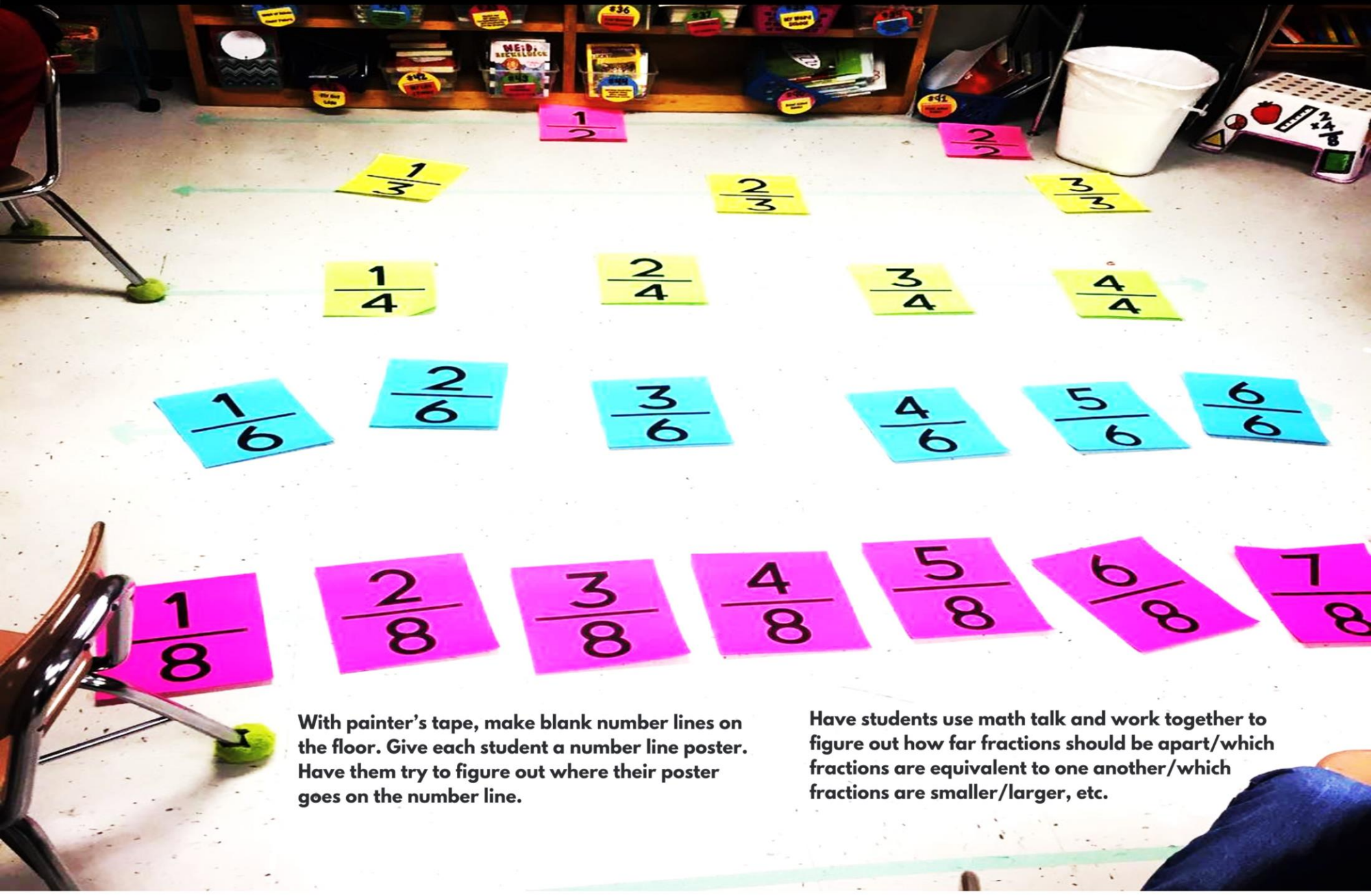
distance from 3/8 to 6/8.

distance from 1/2 to 1.

distance from 2/4 to 3/4.

distance from 1/8 to 7/8.

NUMBER LINE POSTERS



With painter's tape, make blank number lines on the floor. Give each student a number line poster. Have them try to figure out where their poster goes on the number line.

Have students use math talk and work together to figure out how far fractions should be apart/which fractions are equivalent to one another/which fractions are smaller/larger, etc.

10 TIC-TAC-TOE BOARDS

This is played just like tic-tac-toe but students write their answers in a different color on top of each question. The first one to get 3 in a row wins.

TIC-TAC-TOE
WHAT IS THE DISTANCE FROM...?

Board 2

TIC-TAC-TOE
WHAT IS THE DISTANCE FROM...?

Board 1



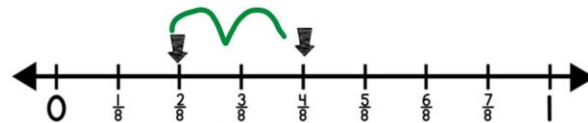
ERROR ANALYSIS

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.

Find the distance between $\frac{2}{8}$ and $\frac{4}{8}$.



The student says:

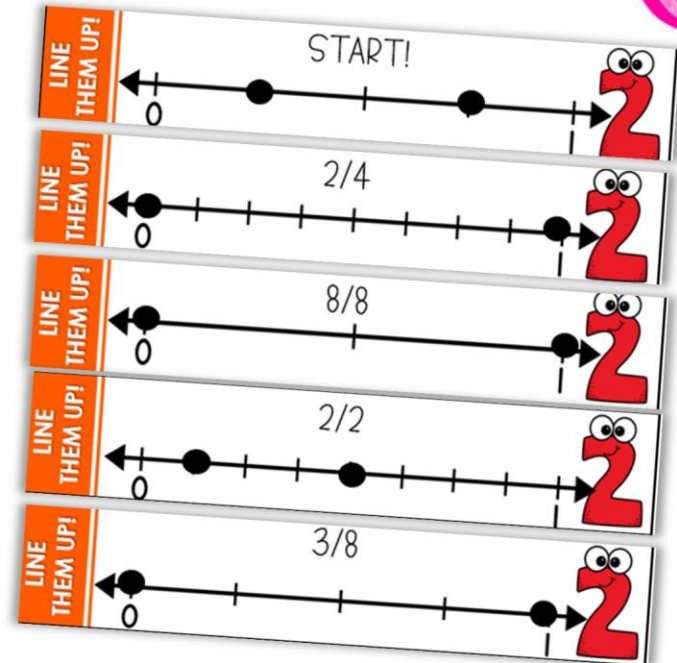
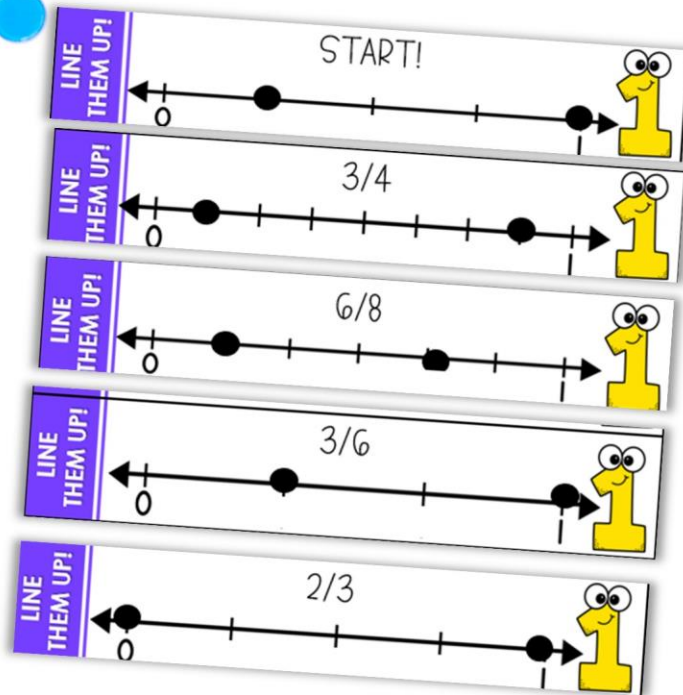
The answer is $\frac{3}{8}$ because $\frac{3}{8}$ is in the middle of $\frac{2}{8}$ and $\frac{4}{8}$.

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

X He is wrong because you don't choose the number in the middle. You count the hops. The correct answer is $\frac{2}{8}$.

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GAME #1



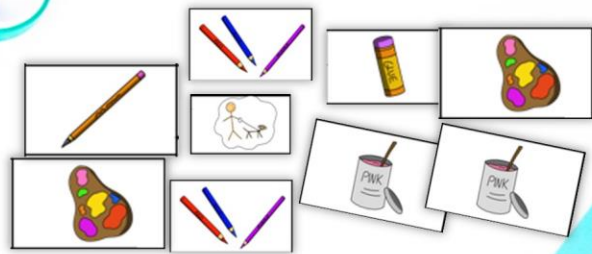
HOW TO PLAY:

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



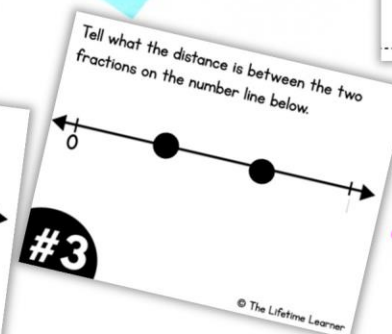
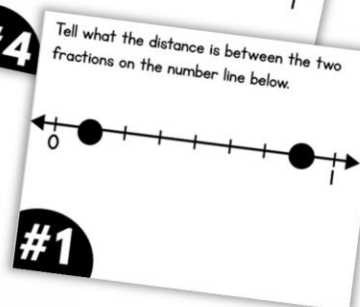
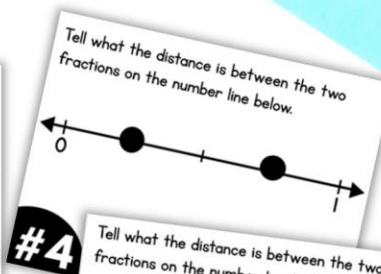
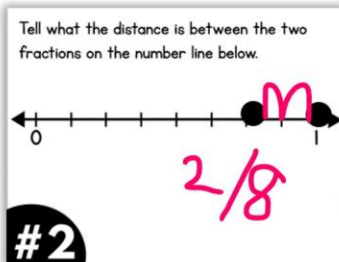
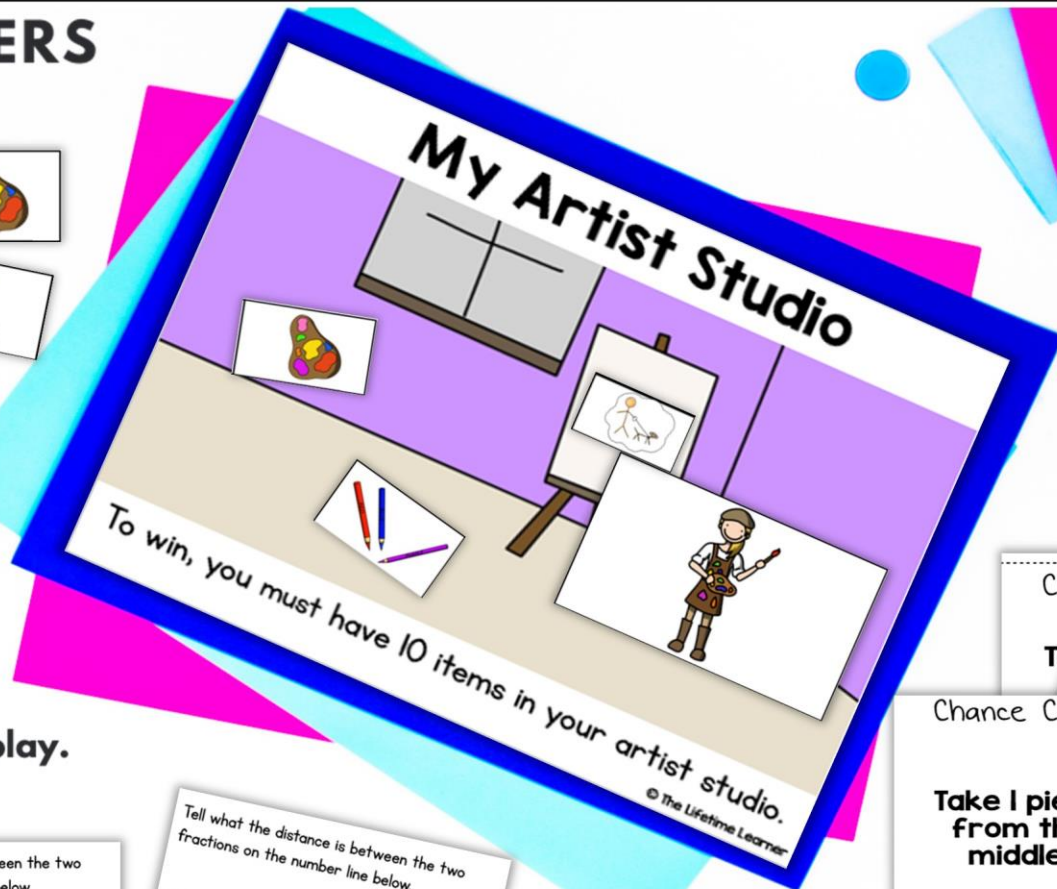
GAME #2

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.



Chance Card!
Take 1 piece from the middle.

Chance Card!

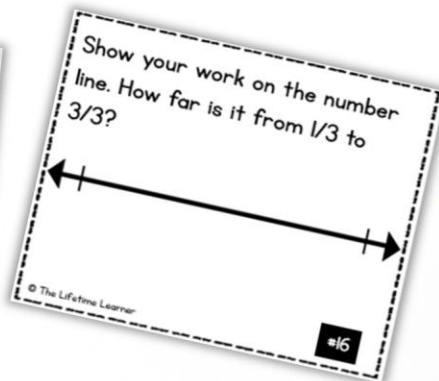
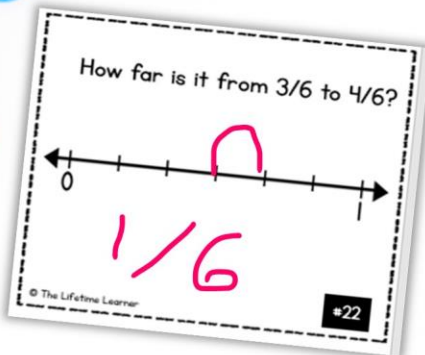
Chance Card!

Take a piece from the middle and give it to the other player.

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GAME #3

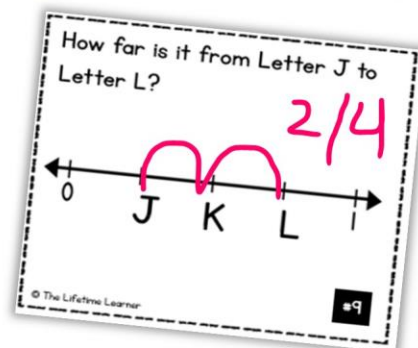
the perfect game to play with the whole class



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.

Click the bucket to see this game in action.



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.

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7000+
PAGES

GAMES

ACTIVITIES

WORKSHEETS

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FARMER day

identify fractions
3.NF.1

EDITABLE
ROOM TRANSFORMATION

3rd GRADE
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RACE CAR driver

fractions on number lines
3.NF.2

EDITABLE
ROOM TRANSFORMATION

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DETECTIVE day

fraction review
3.NF.1-3.NF.3

EDITABLE
ROOM TRANSFORMATION

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3RD GRADE WORKSHEET BUNDLE

ALL STANDARDS
PRINT & GO
156 WORKSHEETS

GRAB IT! 29 MATH GAMES

3RD GRADE

GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!
50	9	0	4	50	9	0	4	50	
GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!
7	24	15	6	7	24	15	48	7	
GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!	GRAB IT!
81	3	18	48	81	3	18	6	81	

GRAB IT!
 $\div 3 = 2$

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3RD GRADE BUNDLE TASK CARDS

DIGITAL
PRINTABLE
166 GAMES