

3RD GRADE GEOMETRY

Geometry Vocabulary

- line
- line segment
- endpoint
- ray
- parallel lines
- perpendicular lines
- intersecting lines
- angle
- acute angle
- obtuse angle
- right angle
- open figure
- closed figure
- plane figure/2-dimensional
- adjacent sides
- vertex
- properties/ attributes/ characteristics/ features
- circle
- triangle
- quadrilateral
- square
- parallelogram
- rectangle
- rhombus/rhombi
- kite
- trapezoid
- pentagon
- hexagon
- octagon
- irregular polygon
- congruent

My Pizza

To win, you must have 10 items on your pizza.

What shape is this?

STOP

#5

#6

Penguin Pet

Rhombus

Pentagon

Trapezoid

Hexagon

Circle

What Shape Am I?

MON

Amra

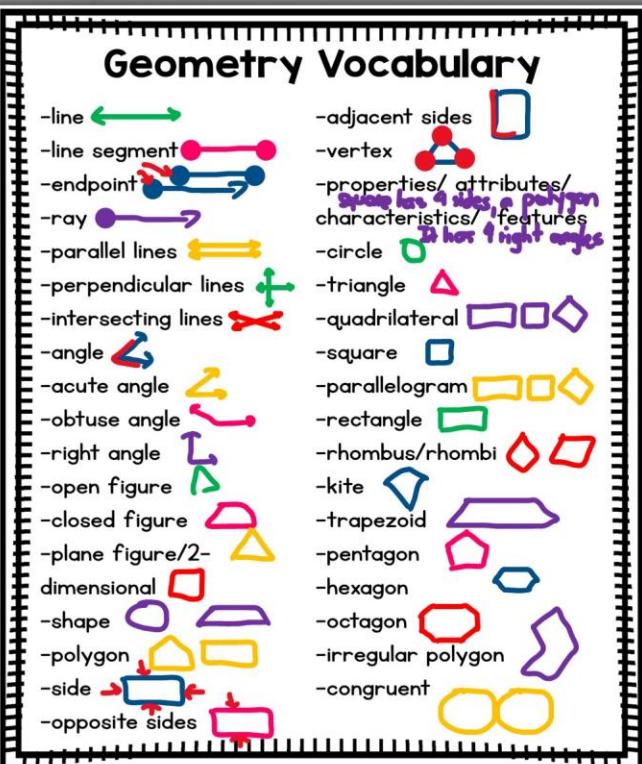
Lake

Matching

THE LIFETIME LEARNER

- GAMES
- ACTIVITIES
- WORKSHEETS

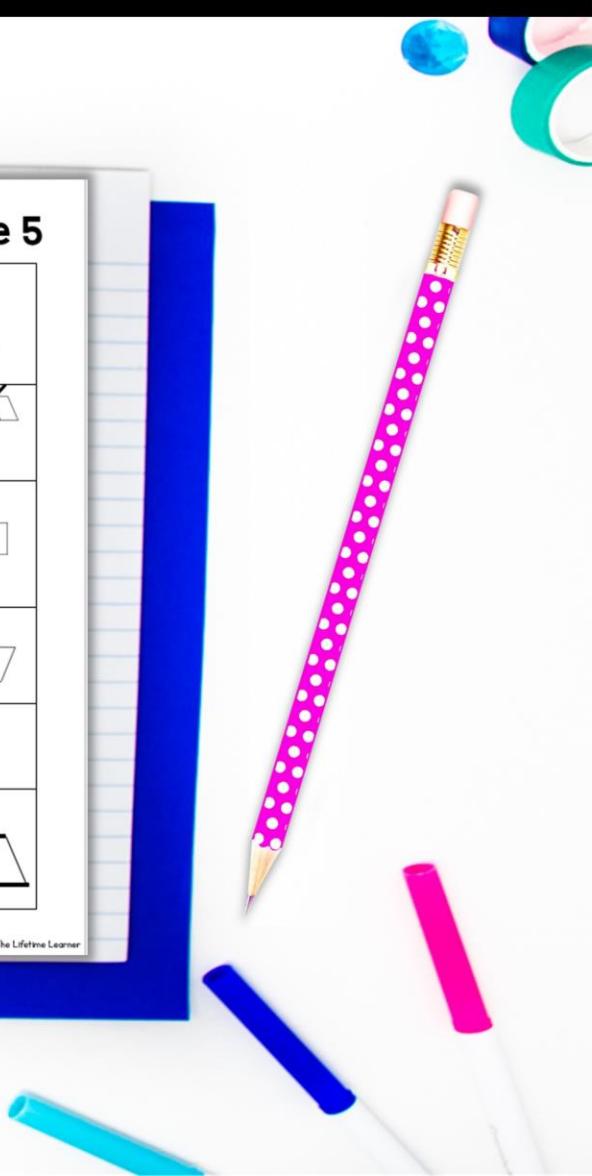
6 PAGES OF GEOMETRY VOCAB



Geometry Vocabulary: Page 5

Square	<ul style="list-style-type: none">• polygon with 4 sides• quadrilateral• 4 right angles• all EQUAL sides• parallelogram	
Parallelogram	<ul style="list-style-type: none">• has 4 sides• is a quadrilateral• opposite sides are all parallel	
Rectangle	<ul style="list-style-type: none">• quadrilateral• four right angles• parallelogram• opposite sides must be same length	
Rhombus/ Rhombi	<ul style="list-style-type: none">• quadrilateral• parallelogram• no right angles• all equal sides	
Kite	<ul style="list-style-type: none">• quadrilateral• not a parallelogram• no right angles	
Trapezoid	<ul style="list-style-type: none">• quadrilateral• one set of parallel sides• not a parallelogram	

Have students glue all 6 pages in their notebooks at the beginning of your unit. Let them refer back to it every day throughout your unit.



10 WORKSHEETS

Matching Irregular Polygons
Match each of the following polygons to its name.
Name: Lukie

What Shape Am I?
Name: Mom Guess what shape is being described based on the clues given. Some questions may have more than one answer!
1. I have four sides. I have all equal sides but I do not have any right angles. What shape am I?
2. I have five angles. I also resemble a house. What shape am I?
3. I am the only quadrilateral to not be a parallelogram. What shape am I?
4. I am a polygon, a quadrilateral, and all opposite sides are parallel. What shape am I?
5. I have four sides, four right angles, and they are all the same length. What shape am I?
Rhombus
Pentagon
Trapezoid
Square

Identify Each Polygon
Circle every word that describes each shape. There may be more than one word that describes each shape.
1. Polygon, Triangle, Square, Quadrilateral, Parallelogram
6. Polygon, Hexagon, Octagon, Parallelogram, Quadrilateral
7. Polygon, Square, Rectangle, Parallelogram

True or False?
Write true or false next to each statement. If the statement is false, tell why.
Name: Ron

1. A square is a rectangle. True	6. A rectangle is a square. False Rectangles do not have all equal sides.
2. A circle is a polygon. False Circles do not have straight sides you can count so they are not polygons.	7. A rhombus is a parallelogram. True
3. All quadrilaterals are parallelograms. False. A trapezoid and irregular quadrilaterals are not parallelograms.	8. Some octagons don't have 8 sides. False. All octagons have 8 sides.
4. A shape with 6 sides is a hexagon. True	9. A rhombus has no right angles. True
5. A trapezoid is a parallelogram. False. Trapezoids have only one set of parallel sides.	10. A quadrilateral has 6 sides. False. Quadrilaterals have 4 sides.

Classify the Polygons
Sort the following 2-D plane figures into the Venn Diagram by drawing them where they belong. Cross out any shapes that do not belong in any category.
Name: kelly

in Pet Shop
are for sale at a pet shop in to see which penguins they want. Tell the Eskimos what is so special about geometry!!

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

ERROR ANALYSIS

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



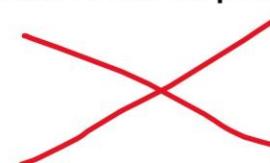
4 PAGES

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

Is a hexagon a parallelogram?



The student says:
Yes, because it has all parallel sides.



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

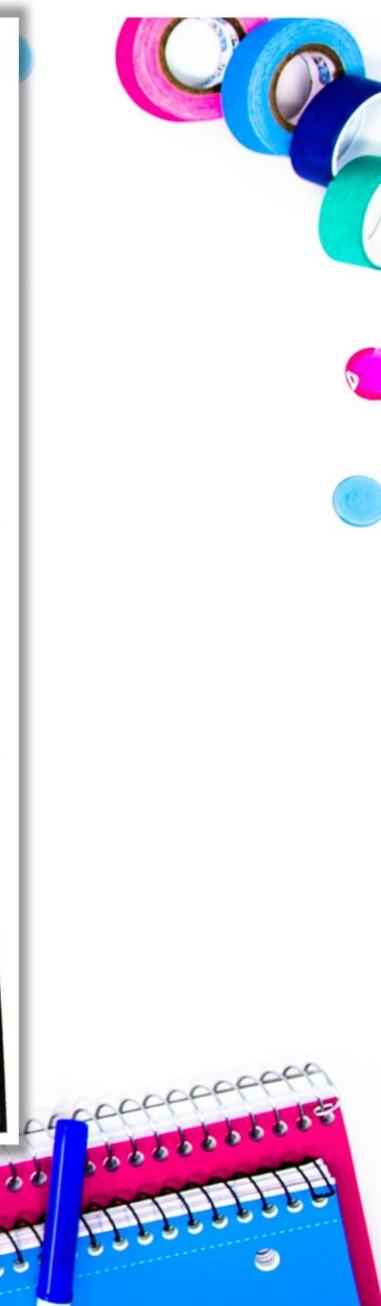
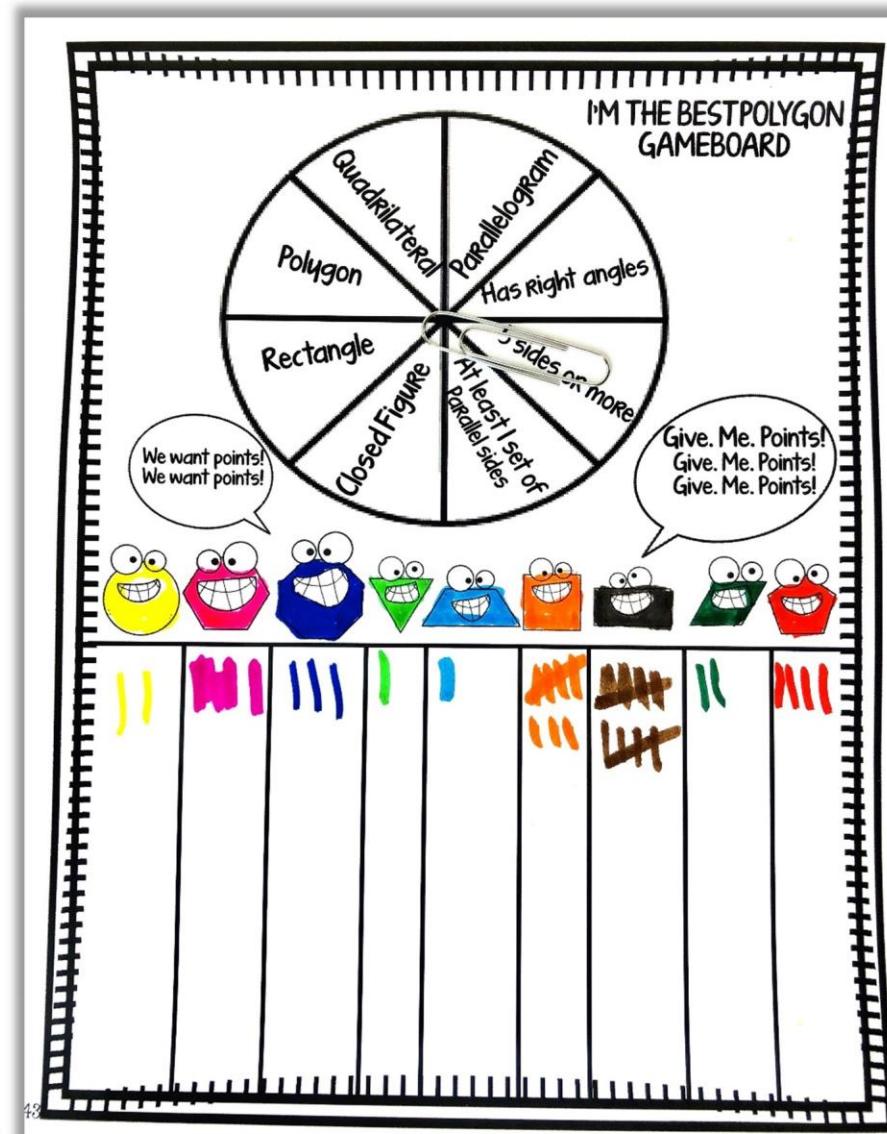
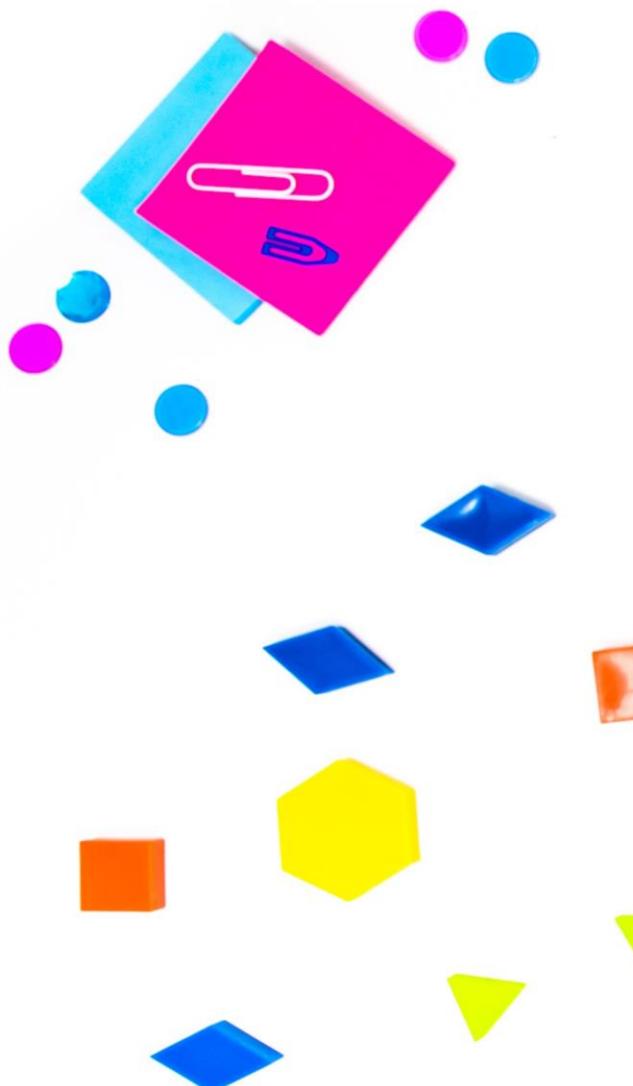
The student is wrong because a parallelogram is a shape with 4 sides and 2 sets of parallel sides. A hexagon has parallel sides, but it has 6 sides instead of 4.

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MATH SORT

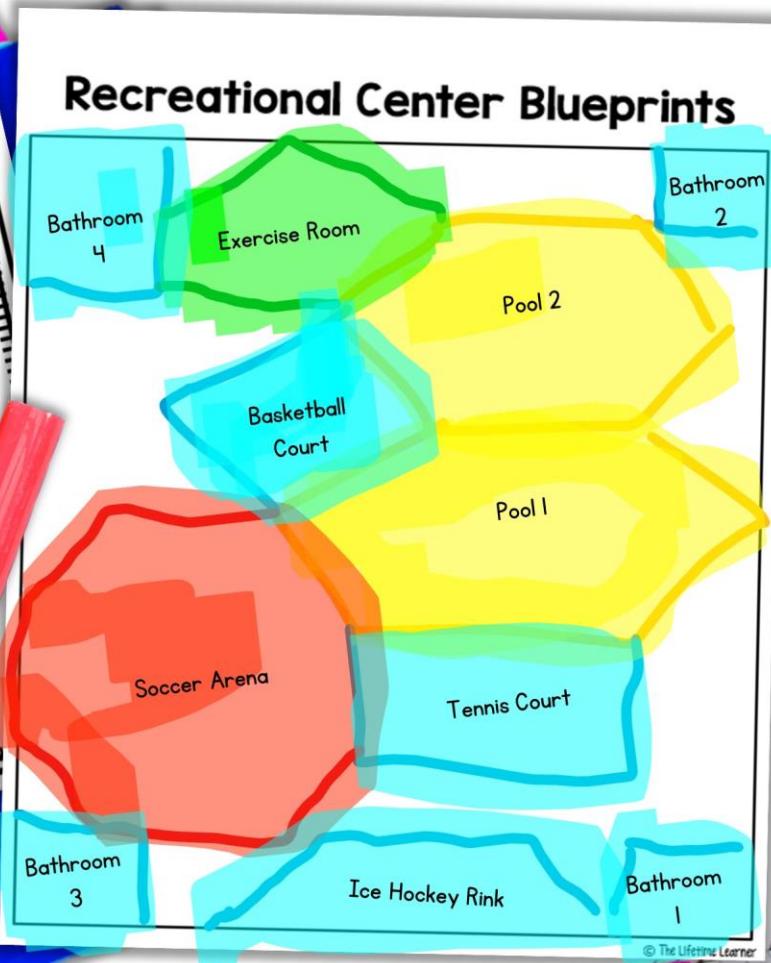


SPINNER ACTIVITY



Students use a paperclip to spin. Whatever it lands on, that polygon gets a point. Sometimes more than one polygon will get a point depending on what the spinner lands on. After 20 spins, see which polygon got the most points!

CREATE YOUR OWN GYM

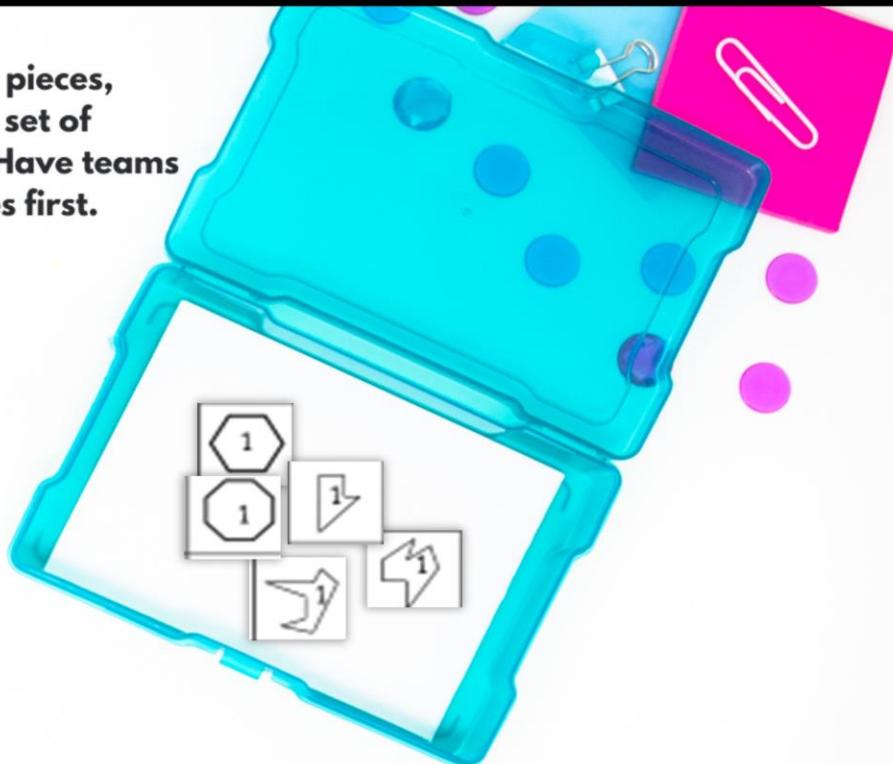


Follow the directions on the paper to create your own recreational center.

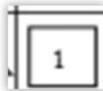
RACE TO SORT

Sort students into teams. Give Team 1 the Team 1 pieces, Team 2 the Team 2 pieces, etc. Give each team a set of “shape headings” and a set of “shape cut outs”. Have teams race to see which team can sort all of their shapes first.

Triangles



Quadrilaterals that are Parallelograms



Quadrilaterals

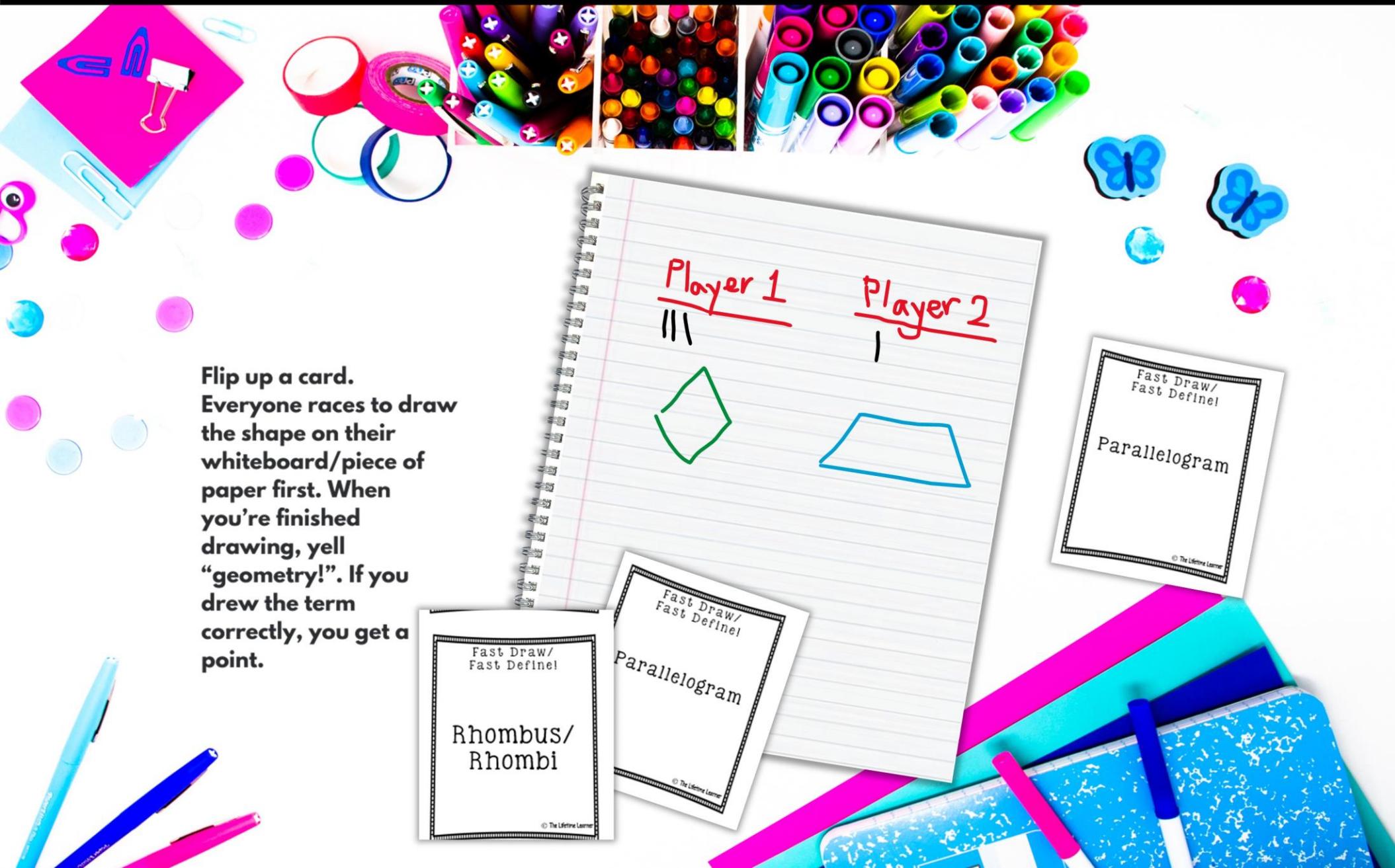
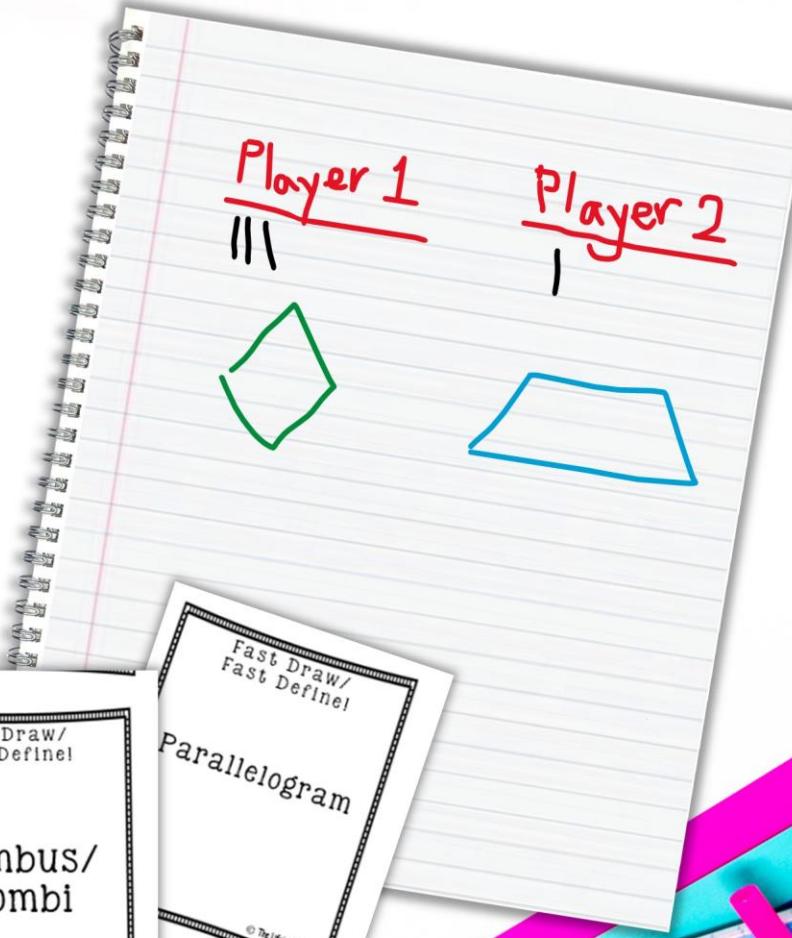
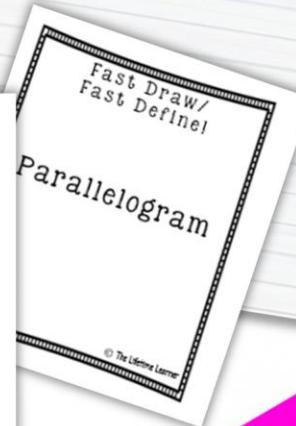
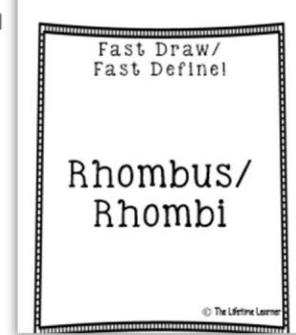


Pentagons



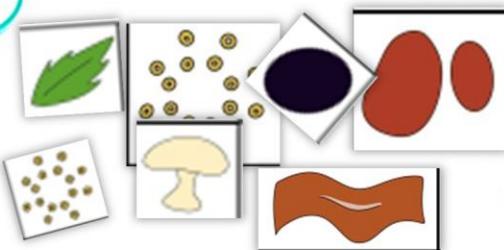
GAME #1

Flip up a card.
Everyone races to draw
the shape on their
whiteboard/piece of
paper first. When
you're finished
drawing, yell
“geometry!”. If you
drew the term
correctly, you get a
point.



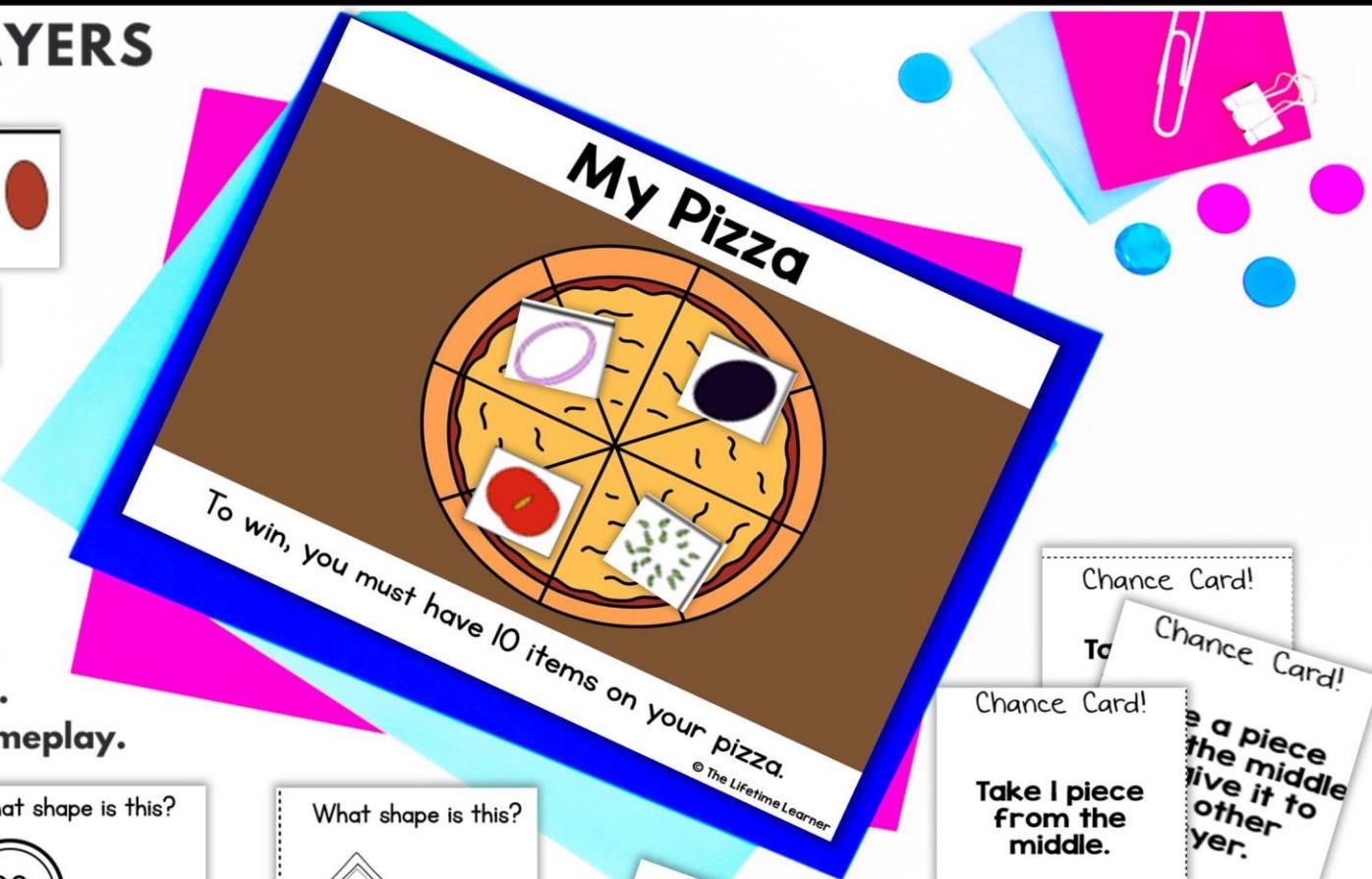
GAME #2

FOR 2-4 PLAYERS

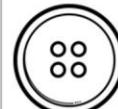


HOW TO PLAY:

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.



What shape is this?



- Circle
- Triangle
- Rectangle
- Square
- Trapezoid
- Rhombus
- Pentagon
- Hexagon
- Octagon

#8

What shape is this?



What shape is this?



#5

- Circle
- Triangle
- Rectangle
- Square
- Trapezoid
- Rhombus
- Pentagon
- Hexagon
- Octagon

What shape is this?

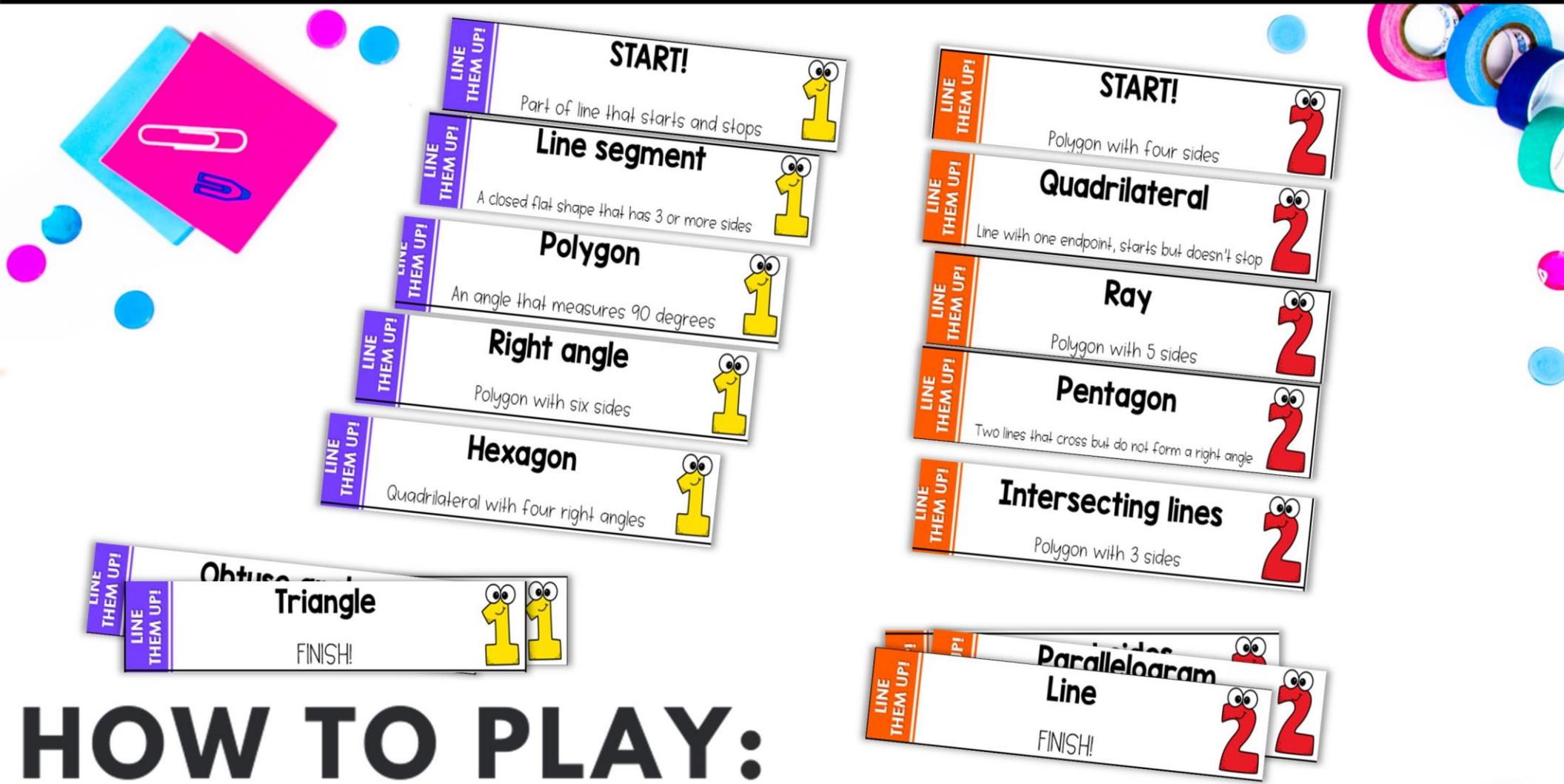


- Circle
- Triangle
- Rectangle
- Square
- Trapezoid
- Rhombus
- Pentagon
- Hexagon
- Octagon

#7

#7

GAME #3

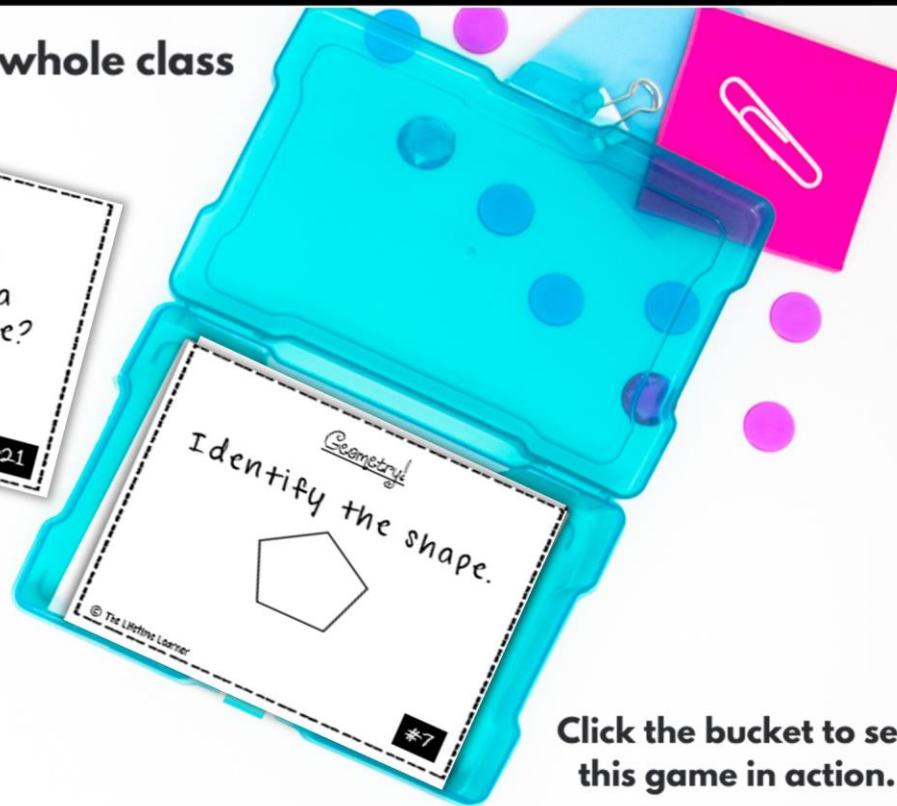
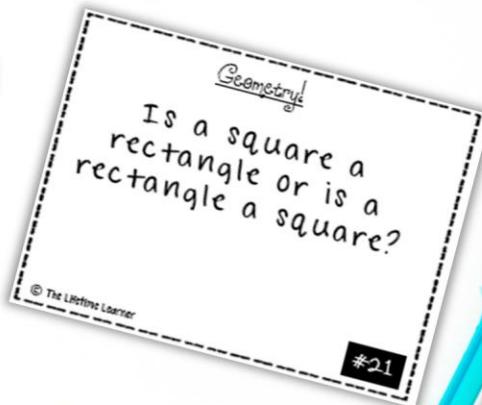
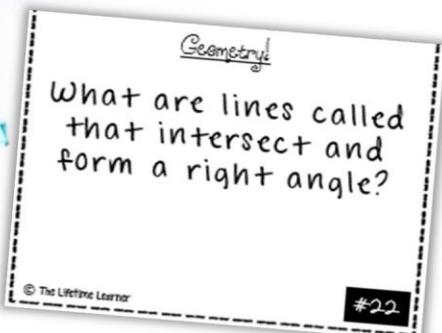


HOW TO PLAY:

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

GAME #4

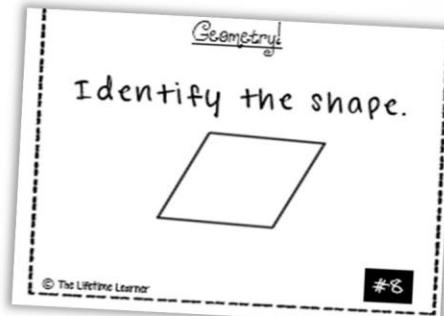
the perfect game to play with the whole class



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 #5

Who took Mr. Fluffers? Solving each clue will help you cross suspects off the list. Use your geometry skills to figure out which suspect took the cat!

Clue 1:

A neighbor next door said they DEFINITELY saw a polygon leaving the house.

This clue would mean cross off all suspects who are not polygons

Clue 3:

When the police questioned everyone on the street, the hexagon family was out of town on vacation.

Clue 4:

A woman told police the criminal did not have any buttons or pockets on their clothing.

Clue 2:

The police stated there was no way anybody with a head that was 90 degrees could make it through the door.



BUY THE BUNDLE AND SAVE BIG!

3RD GRADE MATH BUNDLE

The Beach
Name: **Lindsay**

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

5 A #5 3 B #5 C #2
12 D #4 10 E #1 6 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? $50 \div 10 = 5$

My Castle

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

7000+ PAGES

GAMES **ACTIVITIES** **WORKSHEETS**

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EDITABLE ROOM TRANSFORMATION

UNDER THE SEA ocean adventure ← geometry activities 3.G.1



EDITABLE ROOM TRANSFORMATION

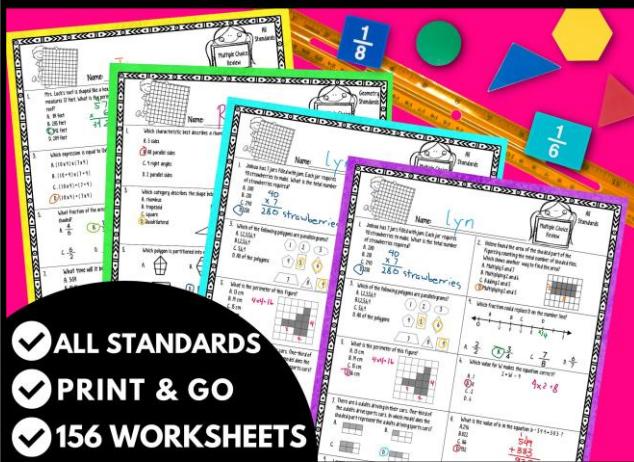
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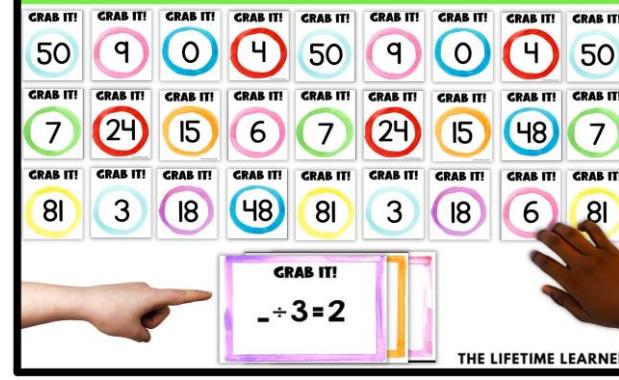
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3RD GRADE WORKSHEET BUNDLE



✓ ALL STANDARDS
✓ PRINT & GO
✓ 156 WORKSHEETS

GRAB IT! 29 MATH GAMES
3RD GRADE



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

THE LIFETIME LEARNER

3RD GRADE BUNDLE TASK CARDS



CHOOSE A SIDE
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EQUAL ICE CREAM
STORE 0-5
REAL LIFE PERIMETER
MULTIPLE CHOICE
ACT IT OUT
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PRINTABLE
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