



Make Learning Fun!
Original song and
video to introduce and
reinforce the skill.



Shapes are all around!

Identify real-world objects as geometric shapes



By: Madeleine

Date: _____

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World Shape Identification

Date: _____

of the correct 2D or 3D shape that the real-world object resembles

1. What 2D shape does this object resemble?

circle

2. What 2D shape does this object resemble?

hexagon

3. What 2D shape does this object resemble?

circle

4. What 3D shape does this object resemble?

cylinder

5. What 3D shape does this object resemble?

cube

6. What 3D shape does this object resemble?

rectangular prism

7. What 2D shape does this object resemble?

triangle

8. What 2D shape does this object resemble?

rectangle

9. What 3D shape does this object resemble?

cone

10. What 3D shape does this object resemble?

cone

Geometry in the World

We can find geometric shapes in the world around us; you have to look closely!

circle

rectangle

square

triangle

hexagon

cone

sphere

cube

cylinder

rectangular prism

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Traffic Marker



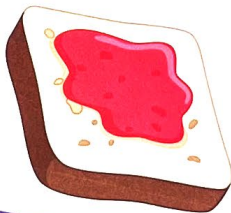
Basketball



Yarn



Toast



Cereal Box



Mystery Shop

You have 12 items on your shopping list, you have to find an item off your list, you have to find the item with the same geometric shape. Once you find the item off your shopping list. Then you have to check off the items checked off at the end of the day.

candy



yarn



watermelon



cookie tray



sandwich



ice block



toast



cereal box



soda



science kit



GEOMETRY IN THE WORLD

1. Pedagogy
2. Lesson Plans
3. Vocabulary Cards
4. Geometry in the World Song
5. Anchor Chart: Geometry in the World
6. Day 1 Guided Practice
7. Real-World Shape X-Ray Worksheet
8. Real-World Shape Identification Worksheet
9. Real-World 2D Shape Sort Cut and Paste Worksheet
10. Real-World 3D Shape Color Sort Worksheet
11. Mystery Shopper Game
12. Mini-book
13. Real-World Shape Clip Game
14. Identifying Real-World Shapes Worksheet
15. Problem Solver
16. Quiz

Geometry in the World

Geometry in the world is an exciting unit in first grade. By now, students have a strong grasp of geometry, and this unit provides them with the opportunity to take what they have learned in class and give it a real-world application. By being able to identify geometry out in the world, students will solidify their understanding while growing their critical thinking skills.

This unit begins with students reestablishing their understanding of 2D and 3D shapes. They will begin by looking at real-world objects and identifying what 2D or 3D shapes they resemble. Then, the unit will have students work first on explicitly sorting real-world objects by their 2D shape match, and then they will repeat this work with 3D shapes. An important facet of this unit is taking the learning beyond images and into identifying geometry in real, tangible objects. Through this unit, students are provided opportunities to identify real-world objects by their 2D or 3D shapes, and they are also challenged to find 2D and 3D shapes represented in the classroom around them.

Students will be able to accurately identify real-world objects by their 2D or 3D shapes and recognize geometric shapes within those real-world objects. Students will also successfully sort and categorize real-world objects based on their geometric shapes.

Geometry in the World

Day 1: Introduce the concept of discovering geometry in the real world

Mini Lesson: Introduce the purpose of the lesson today: to review the shapes we know and begin identifying them in the real world.

- Introduce the unit vocabulary and review all 2D and 3D shapes.
- Introduce the Geometry in the World Song.
- Remind students of the work they have done in geometry. Remind them of the 2D shapes and 3D shapes they know. Review by showing a few shapes and asking students to identify them.
- Explain that today, we are going to begin looking for these shapes out in the world. Everything has a shape, and by using what we know about 2D and 3D shapes, we can identify them in the world.
- Introduce the Geometry in the World Anchor Chart.
- Go through each 2D and 3D shape on the chart; also ask students to name an additional real-world item that they can think of that matches each shape.

Guided Practice: Show students the problems on the Day 1 Guided Practice poster. As a class, look at the real-world shape and identify which shape on the slide goes with the real-world shape.

Independent Practice: Students complete the “Real-World Shape X-Ray” Worksheet or the challenge worksheet, “Real-World Shape Identification” Worksheet.

Day 2: Identify 2D shapes in the world

Mini Lesson: Introduce the purpose of the lesson today: to identify 2D shapes in the world.

- Review the unit vocabulary and watch the Geometry in the World Song.
- Review the Anchor Chart.
- Explain to students that they will be identifying 2D shapes in the world.
- Show students a circle. Model walking around the classroom and finding a real-world object in the shape of a circle. Model again with a square.

* Day 2 continued . . . *

Guided Practice: Show students a rectangle. Tell students that they will have 30 seconds to find an example of a rectangle in the classroom and bring it to the carpet. Repeat with a triangle. You can also choose to have students stay seated and just use their eyes to identify and then share.

Independent Practice: Students complete the “Real-World 2D Shape Sort” Worksheet.

Day 3: Identify 3D shapes in the world

Mini Lesson: Introduce the purpose of the lesson today: to identify 3D shapes in the real world.

- Review the unit vocabulary and watch the Geometry in the World Song.
- Review the Anchor Chart.
- Remind them of the work they did yesterday with the 2D shapes.
- Explain that today they will be doing the same type of work, but this time with 3D shapes.
- Show students a cone. Model walking around the classroom and finding a real-world object in the shape of a cone. Model next with a rectangular prism.

Guided Practice: Show students a sphere. Tell students that they will have 30 seconds to find an example of a sphere in the classroom and bring it to the carpet. Repeat with a cylinder. You can also choose to have students stay seated and just use their eyes to identify and then share.

Independent Practice: Students complete the “Real-World 3D Shape Color Sort” Worksheet.

Day 4: Identify 2D and 3D shapes in the real world

Mini Lesson: Introduce the purpose of the lesson today: to identify 2D and 3D shapes in the real world.

- Review the unit vocabulary and watch the Geometry in the World Song.
- Review the Anchor Chart.
- Explain and teach the “Mystery Shape Shopper” Game.

Day 4 continued . . .

Guided Practice: Students work in pairs or small groups and play the “Mystery Shape Shopper” Game.

Independent Practice: Students complete the mini-book.

Day 5: Review

Mini Lesson: Introduce the purpose of the lesson today: to identify 2D and 3D shapes in the real world.

- Review the unit vocabulary and watch the Geometry in the World Song.
- Review the Anchor Chart.
- Explain and teach the “Real-World Shape Clip” Game.

Guided Practice: Students work in pairs or small groups and play “Real-World Shape Clip” game.

Independent Practice: Students complete the “Identifying Real-World Shapes” worksheet.

Day 6: Geometry in the world

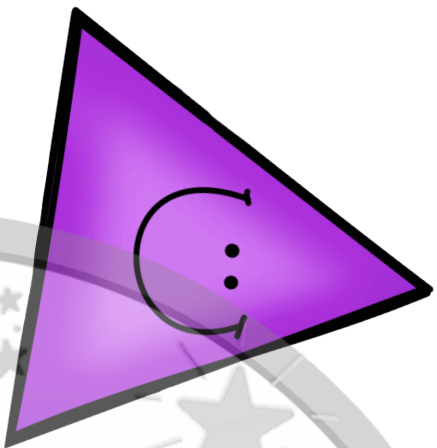
Mini Lesson: Introduce the purpose of the lesson today: to identify 2D and 3D shapes in the real world.

- Review the unit vocabulary and watch the Geometry in the World Song.
- Review the Anchor Chart.

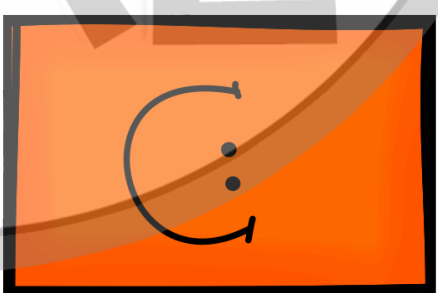
Guided Practice: Students complete the problem solver.

Independent Practice: Geometry in the World Quiz.

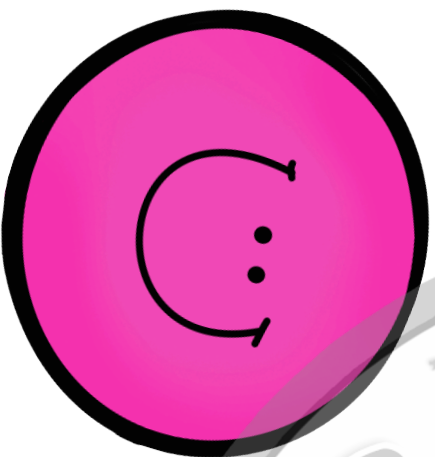
Triangle



Rectangle



Circle



Square



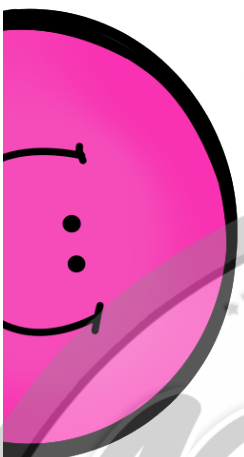
Cylinder



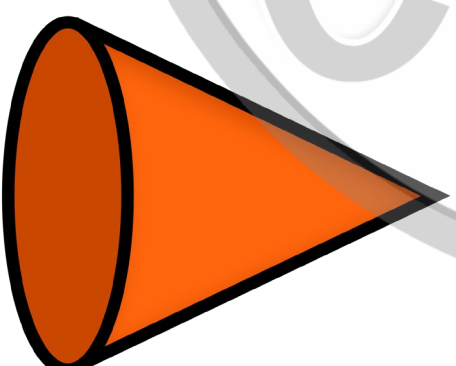
Hexagon



Semi-Circle



Cone



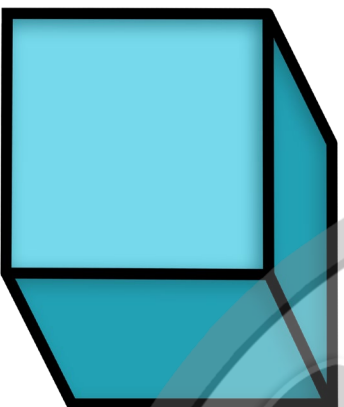
Sphere



**Rectangular
Prism**



Cube



Geometry in the World

Geometry is everywhere
You'll see it here and you'll see it there
Shapes really are anywhere
There's geometry in the world



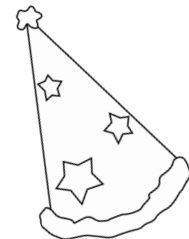
Now a watch has a circle
And a letter a rectangle
A picture frame can be a square
And a pizza slice a triangle



Take a look at a beehive
You will see hexagons
There are so many shapes to find
If you just look hard enough because



Geometry is everywhere
You'll see it here and you'll see it there
Shapes really are anywhere
There's geometry in the world



Geometry in the World

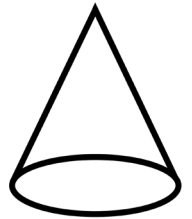
We can find geometric shapes in the world around us; you just have to look closely! Most shapes are 3D, but they have 2D faces.



circle



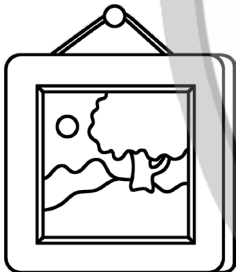
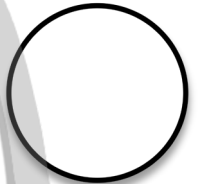
cone



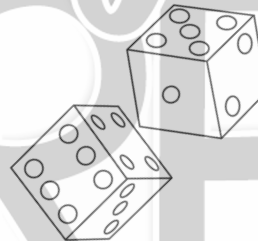
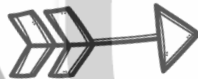
rectangle



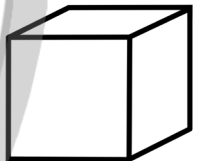
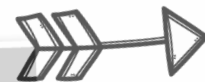
sphere



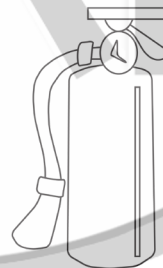
square



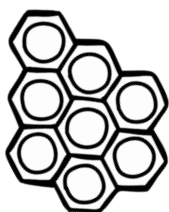
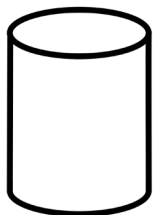
cube



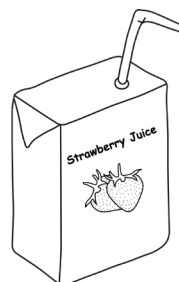
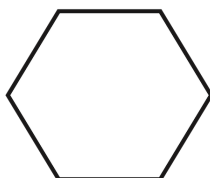
triangle



cylinder



hexagon



rectangular prism

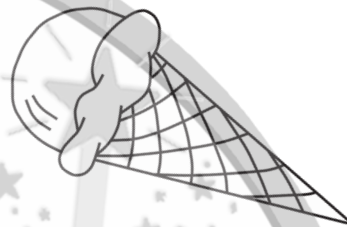


Day 1 Guided Practice

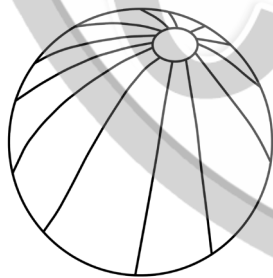
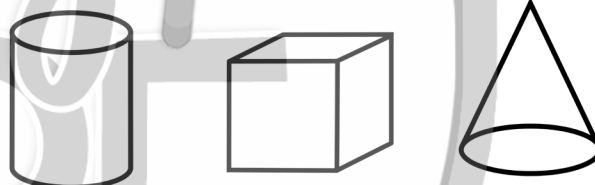
Look at these real-world objects. Identify the correct geometric shape!



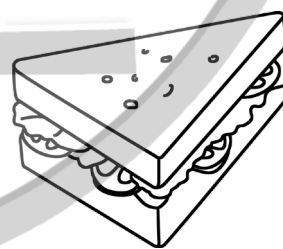
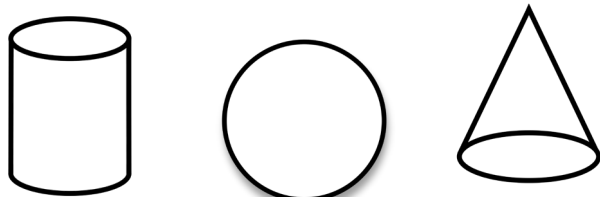
The Ferris wheel has what 2D shape as a face?



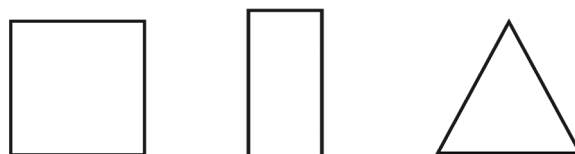
The ice cream cone is what 3D shape?



The beach ball is what 3D shape?



The sandwich slice has what 2D shape as a face?

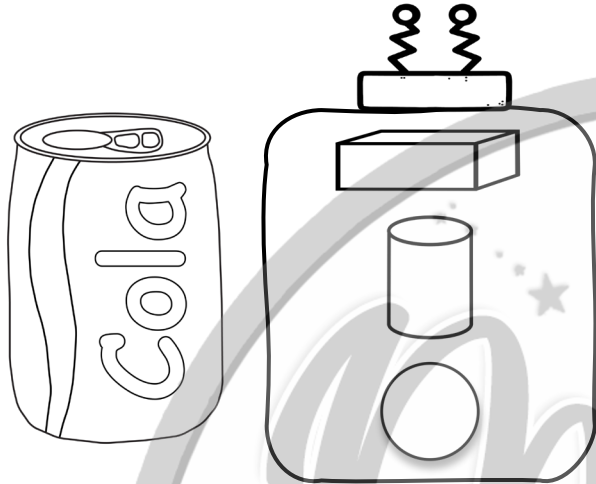


Name: _____ Date: _____

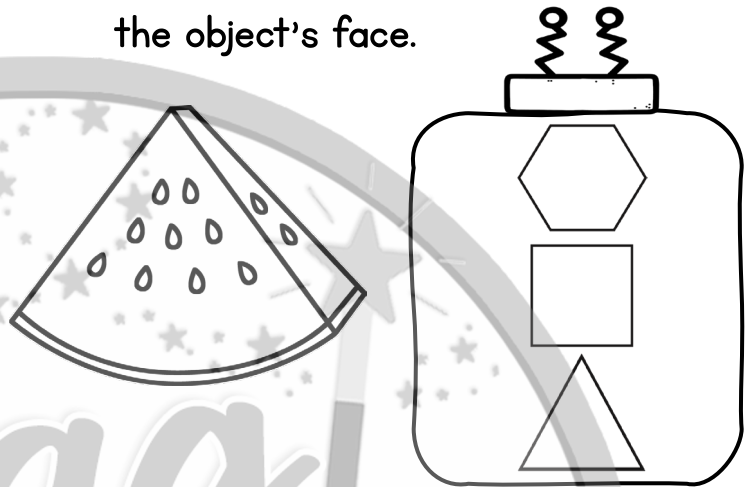
Real-World Shape X-Ray

Directions: Look at the real-world object and the X-ray machine next to it. Color in the correct geometric shape that represents the real-world shape.

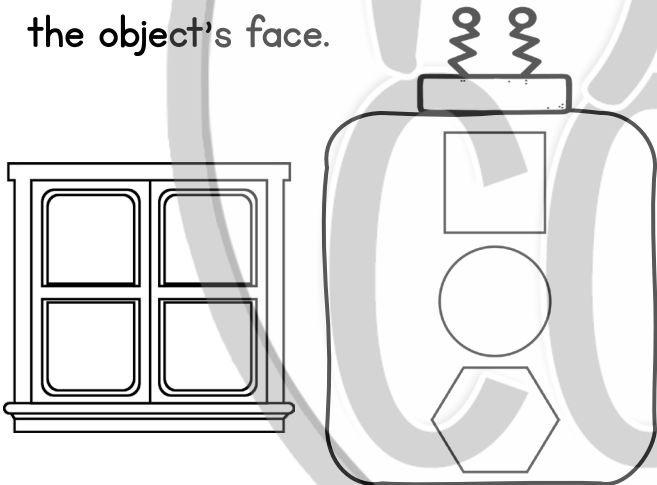
1. Color the correct 3D shape.



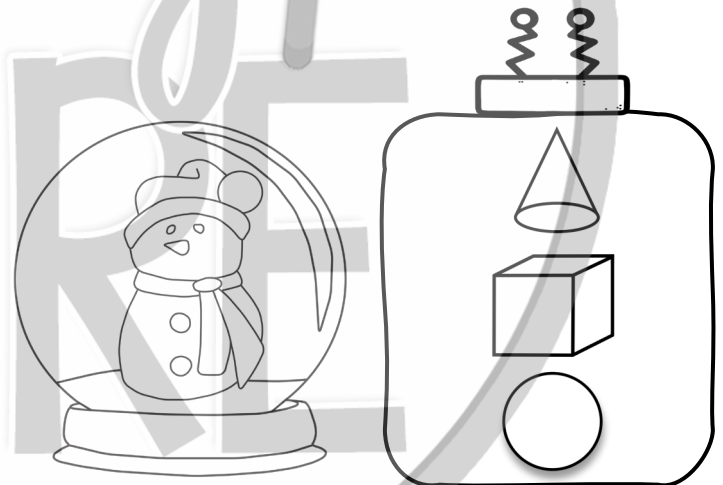
2. Color the correct 2D shape of the object's face.



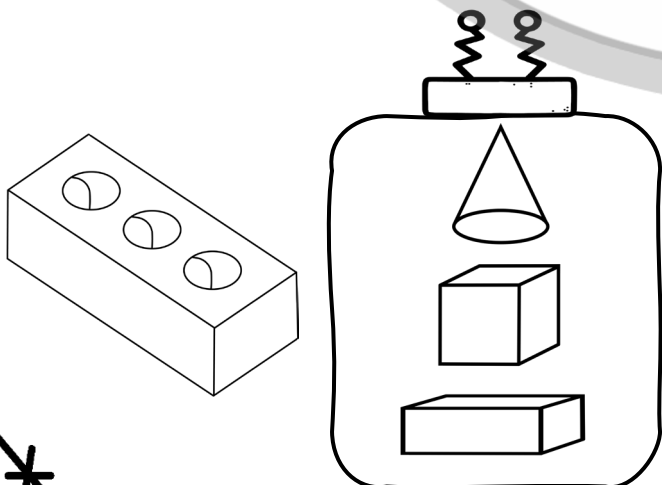
3. Color the correct 2D shape of the object's face.



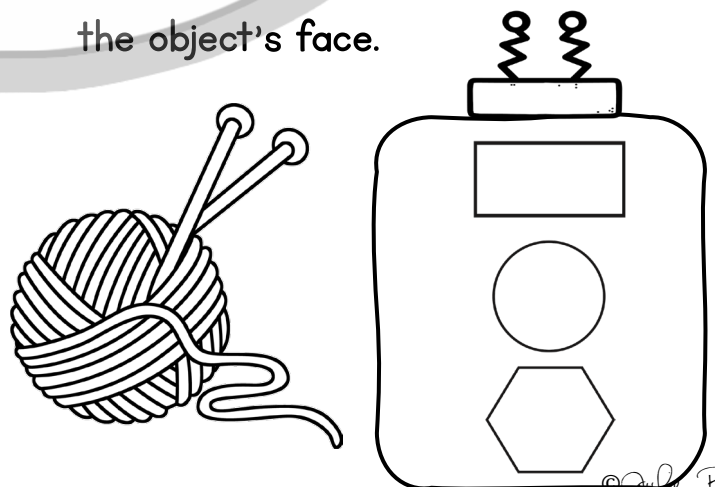
4. Color the correct 3D shape.



5. Color the correct 3D shape.



6. Color the correct 2D shape of the object's face.



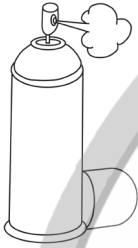
Name: _____ Date: _____

Real-World Shape Identification

Directions: Write the name of the correct 2D or 3D shape that the real-world object resembles.

Word Bank: rectangle rectangular prism hexagon cube
sphere cone circle cylinder triangle

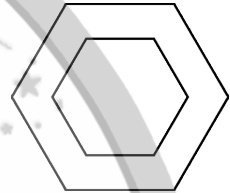
1. What 3D shape does this object resemble?



2. What 2D shape does this object's face resemble?



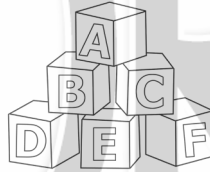
3. What 2D shape does this object's face resemble?



4. What 3D shape does this object resemble?



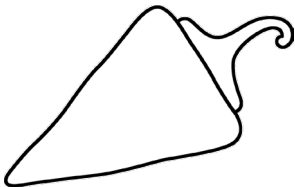
5. What 3D shape does this object resemble?



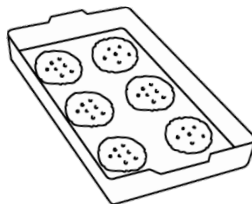
6. What 3D shape does this object resemble?



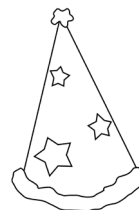
7. What 2D shape does this object's face resemble?



8. What 2D shape does this object's face resemble?



9. What 3D shape does this object resemble?



Name: _____

Date: _____

Real-World 2D Shape Sort

Directions: Cut out the objects. Sort them and glue them under their correct 2D face shape!

Circle



Square



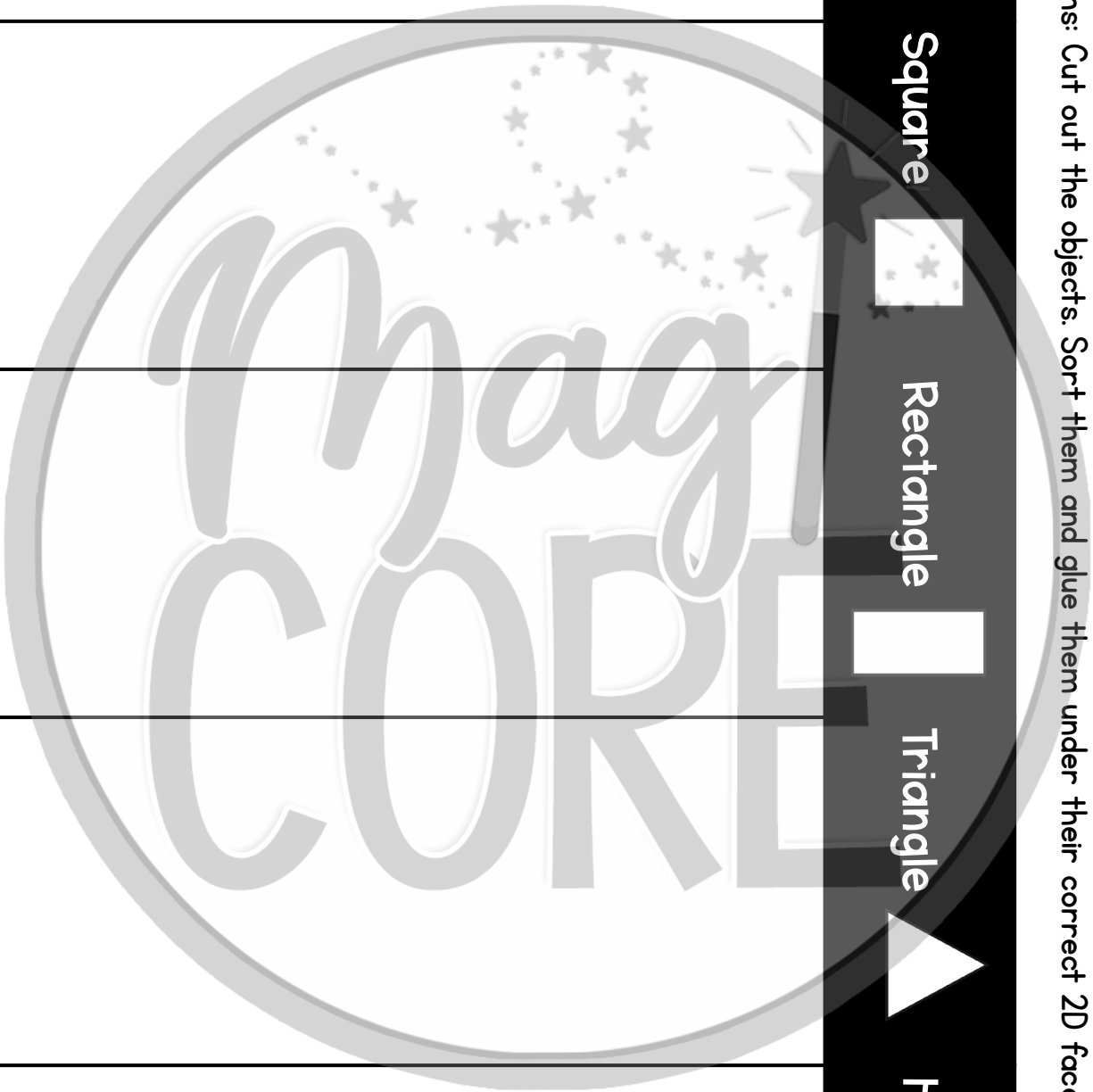
Rectangle



Triangle



Hexagon



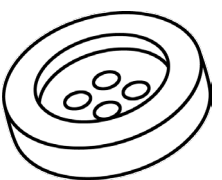
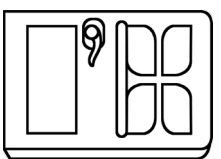
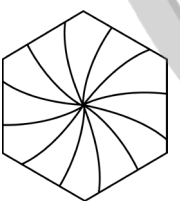
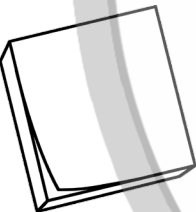
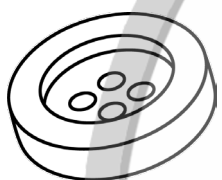
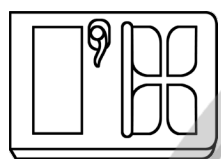
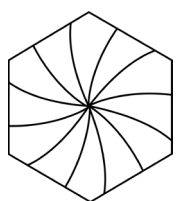
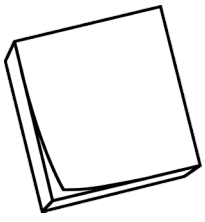
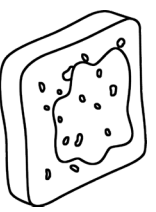
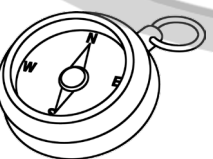
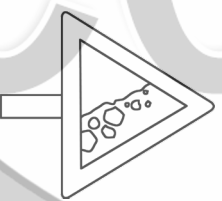
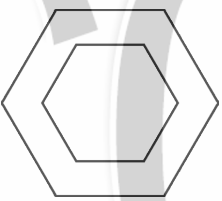
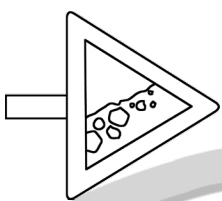
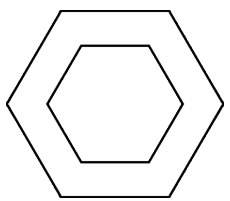
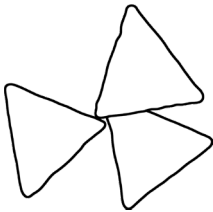
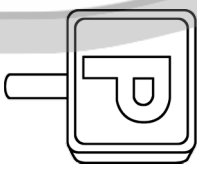
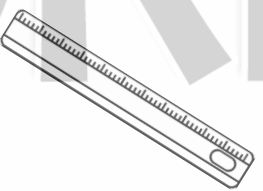
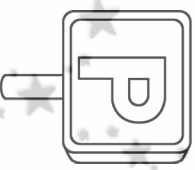
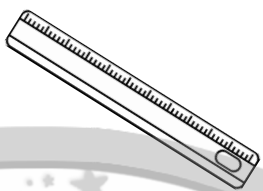
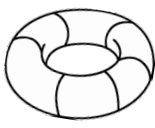
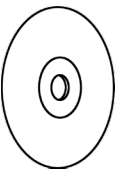
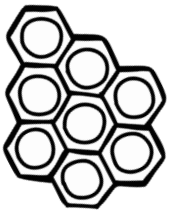
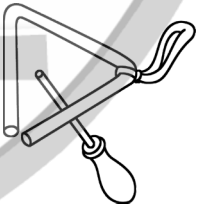
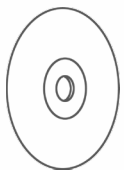
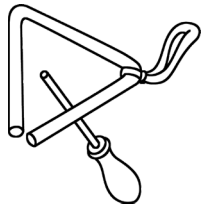
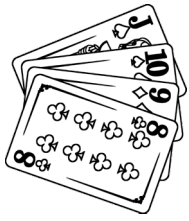
Directions:

Cut out the object and sort it under the correct 2D face shape.



Directions:

Cut out the object and sort it under the correct 2D face shape.



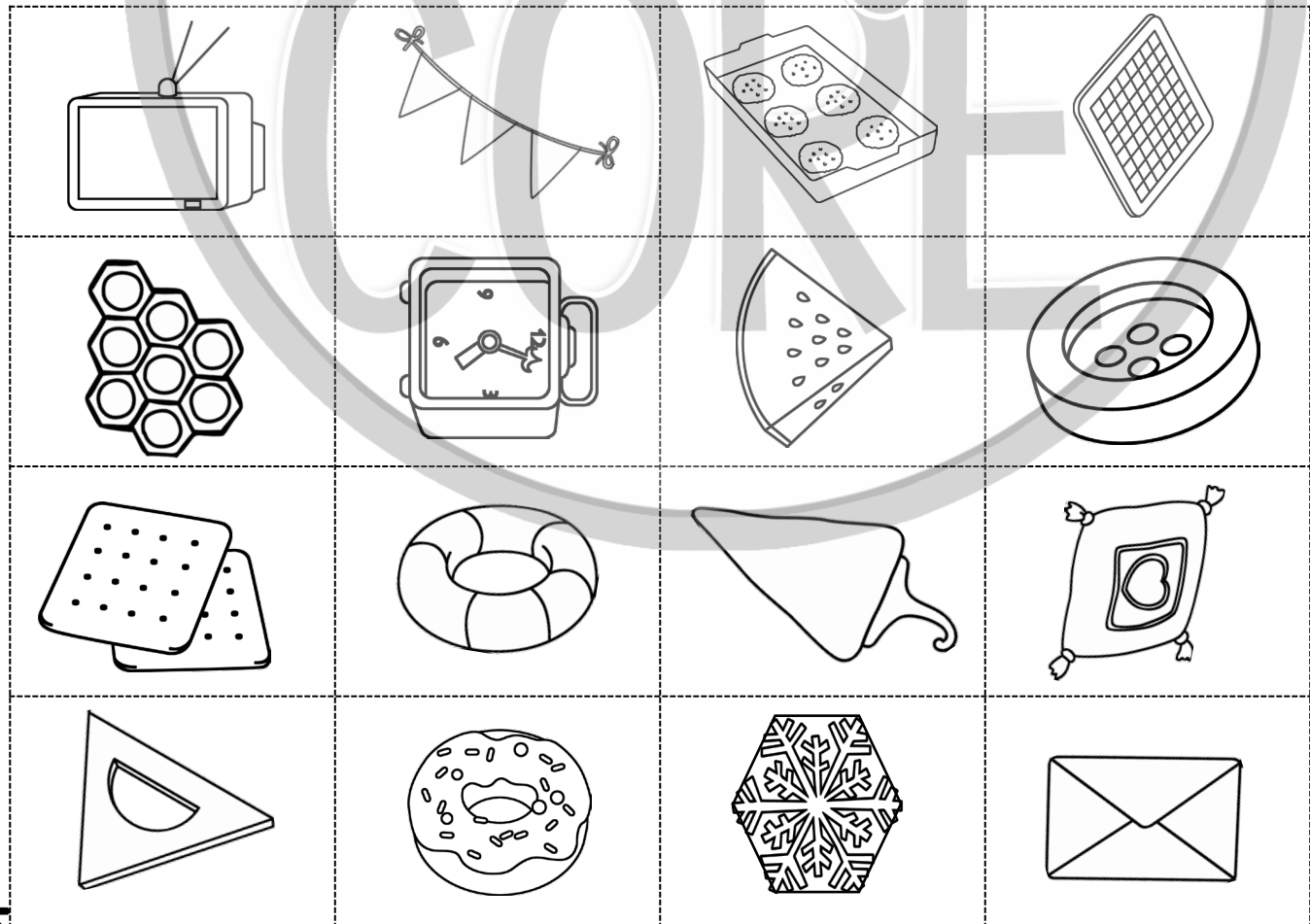
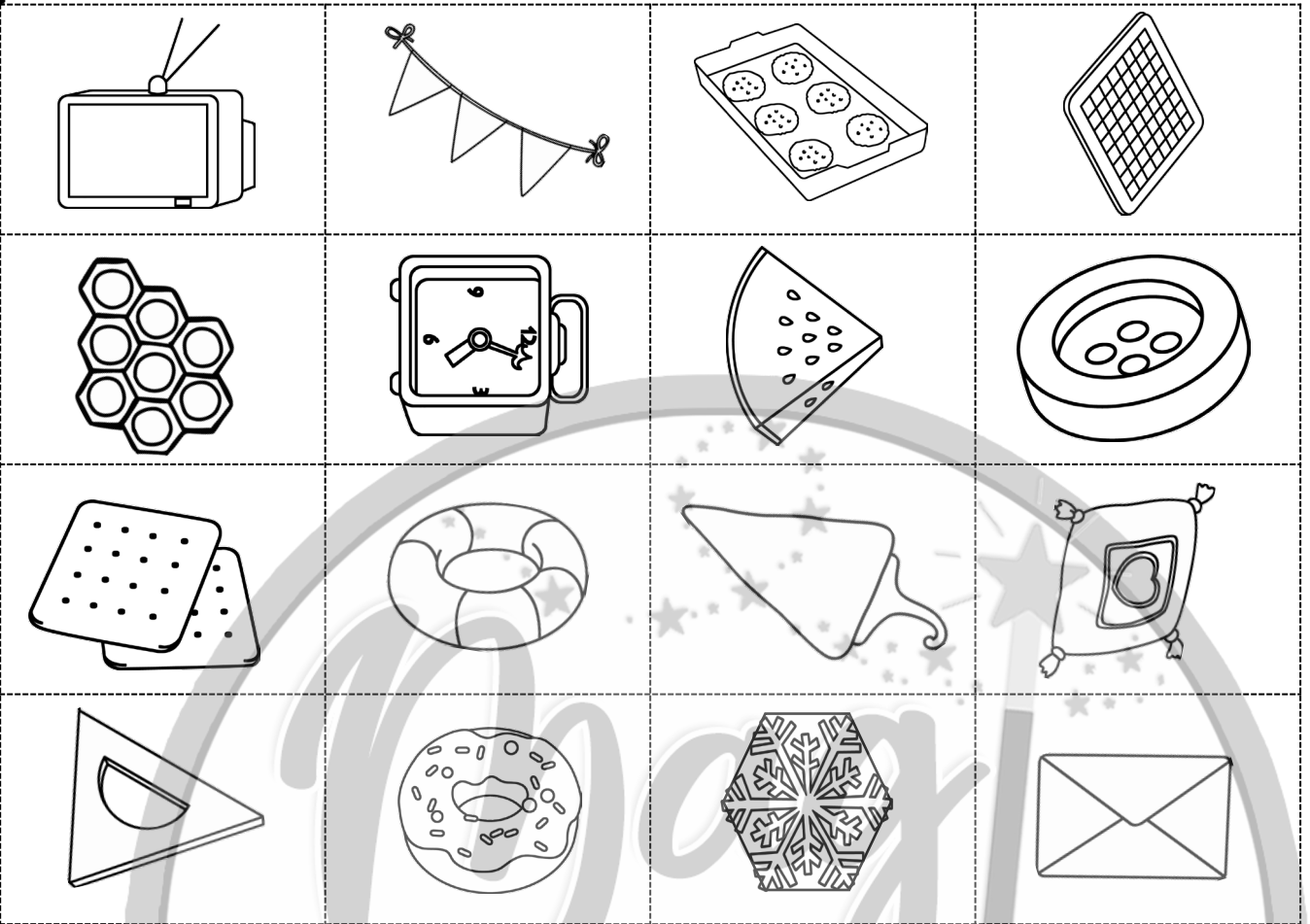
Directions: Cut out the object and sort it under the correct 2D face shape.



Directions: Cut out the object and sort it under the correct 2D face shape.

shape.

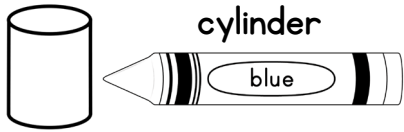
shape.



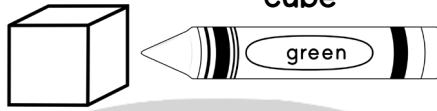
Name: _____ Date: _____

Real-World 3D Shape Color Sort

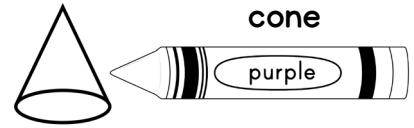
Directions: Look at all the real-world objects. Sort them by coloring them based on their 3D shape.



cylinder



cube



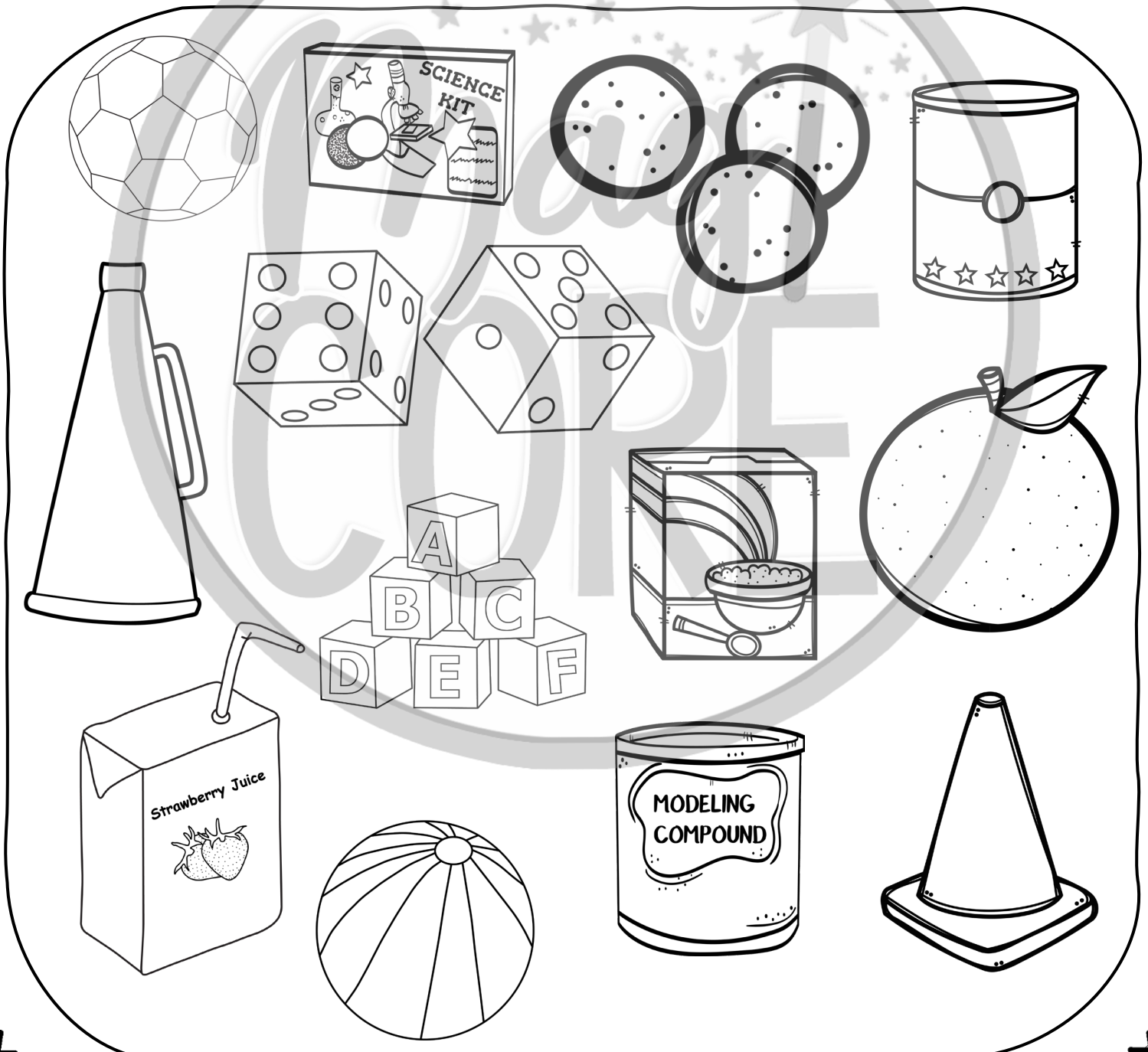
cone



rectangular prism



sphere



Mystery Shopper

Directions:

1. Print all the image shape cards.
2. Print out player checklist for up to 4 players.
3. Cut out and laminate.
4. Put all the shape cards and checklists into a large Ziploc bag.
5. Students can play this game in pairs or in small groups of up to 4.
6. This game is essentially a game of memory, but students have to check items off their shopping list as they make a match.
7. Cards will begin flipped image side down and students will take turns flipping over two cards at a time to try and get a match. If they get a match, they have to check the item off their shopping list and then it is the next player's turn. If they do not get a match, they flip the cards back over and it becomes the next player's turn. The player that has the most items on their shopping list at the end of the game wins.

Label

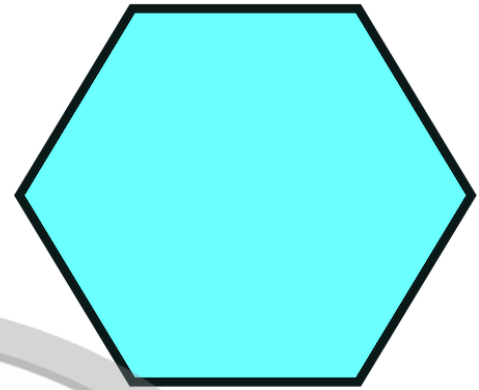
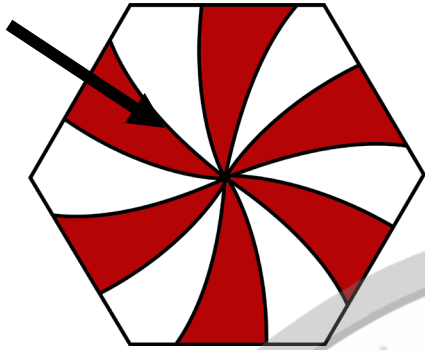
Mystery Shopper



Directions: Check off all the items on your shopping list by matching the real-world objects to their 2D or 3D shape.

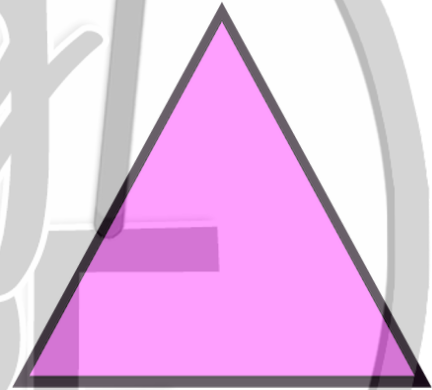
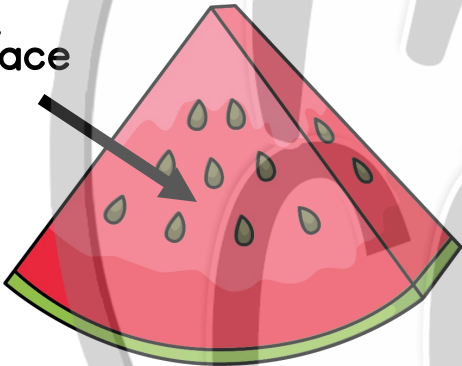
Candy

Face



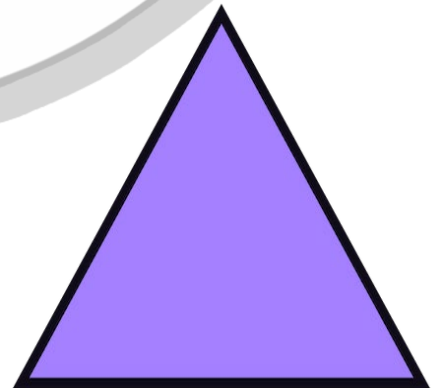
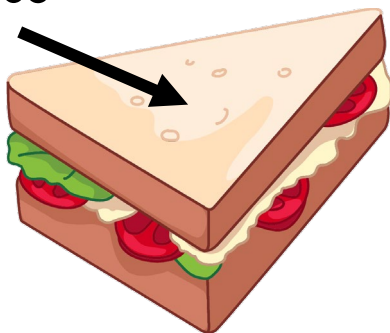
Watermelon

Face



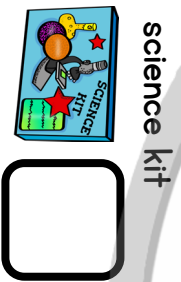
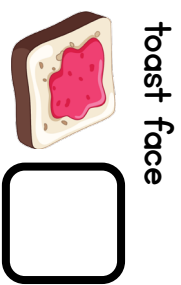
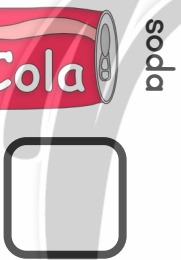
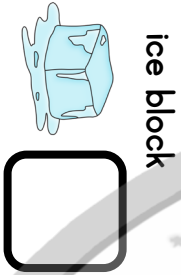
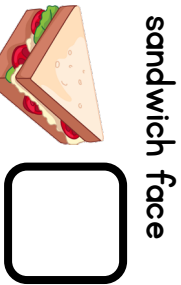
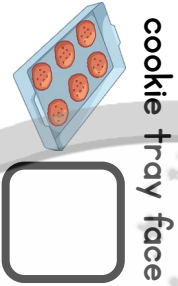
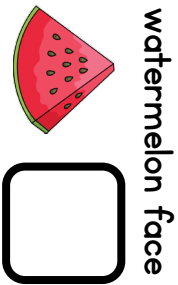
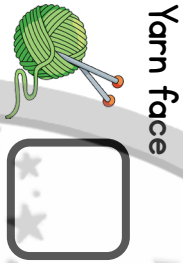
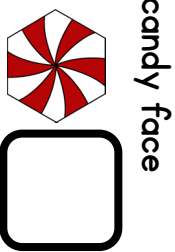
Sandwich

Face



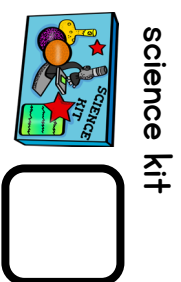
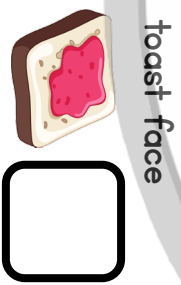
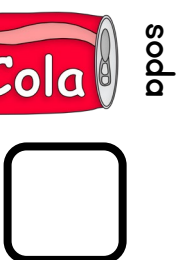
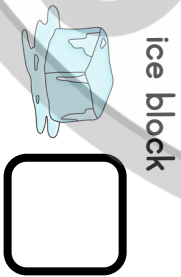
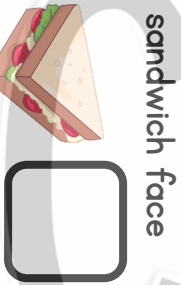
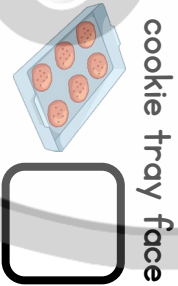
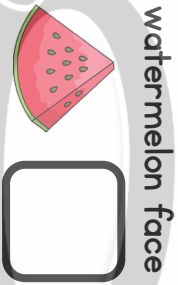
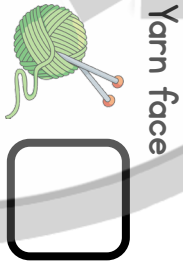
Mystery Shopper Checklist

You have 12 items on your shopping list. In order to check an item off your list, you have to match the item and its geometric shape. Once you find a match, you can check the item off your shopping list. The player with the most items checked off at the end of the game wins.



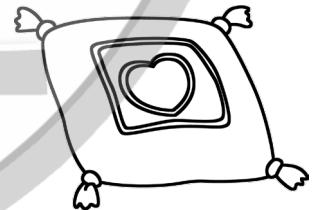
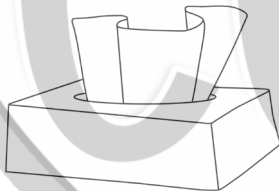
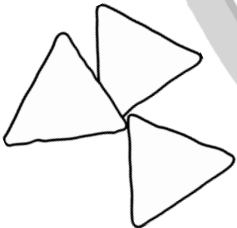
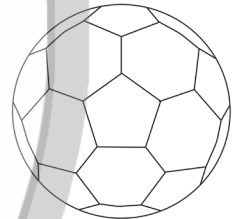
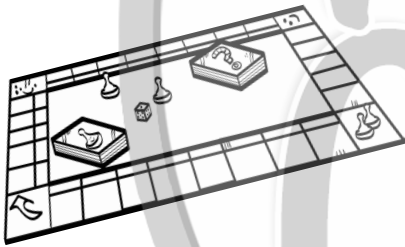
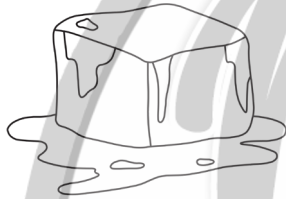
Mystery Shopper Checklist

You have 12 items on your shopping list. In order to check an item off your list, you have to match the item and its geometric shape. Once you find a match, you can check the item off your shopping list. The player with the most items checked off at the end of the game wins.



Shapes are all around!

Identify real-world objects as geometric shapes



By: _____

Date: _____

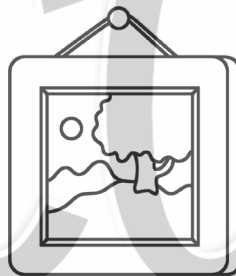
Geometric shapes are all around us.

Hmm... It is 3D, has 1 vertex, 1 circular face, and a curved edge. It must be a cone!



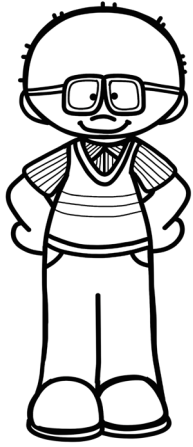
Cone

Hmm... The face is 2D, has 4 vertices, 4 equal sides, and straight edges. It must be a square!

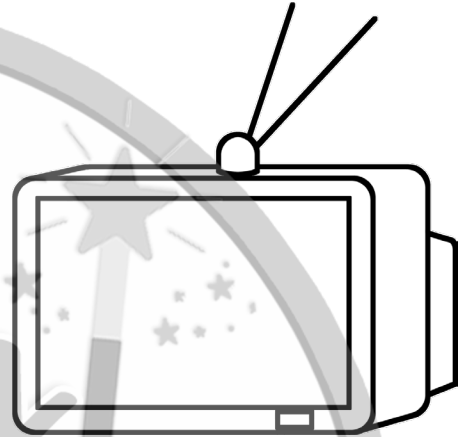
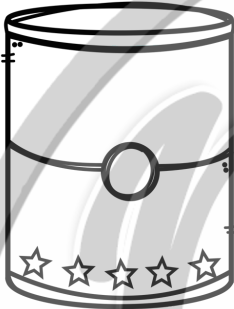


Square

By using what we know about 2D and 3D shapes, we can identify the shapes of real-world objects.

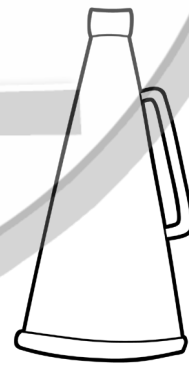
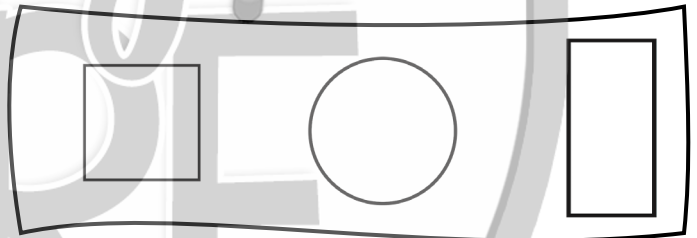
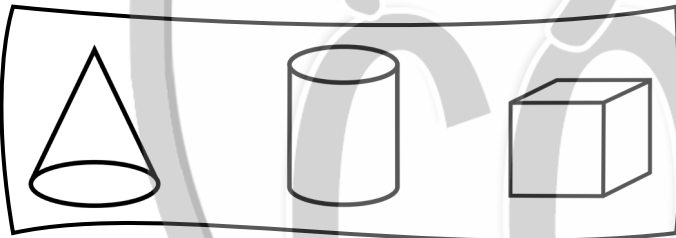


Look at the real-world object. Circle the correct geometric shape!



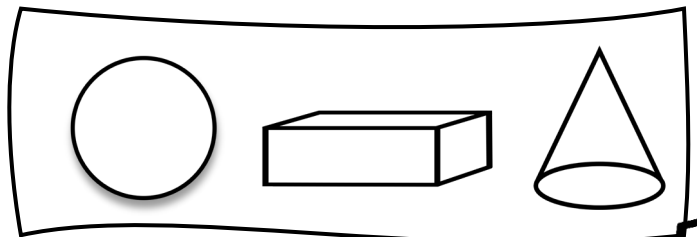
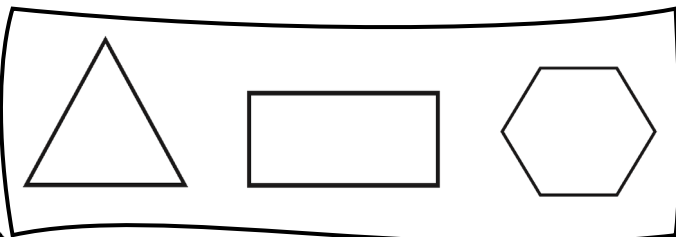
Circle the correct 3D shape.

Circle the correct 2D face shape.



Circle the correct 2D face shape.

Circle the correct 3D shape.



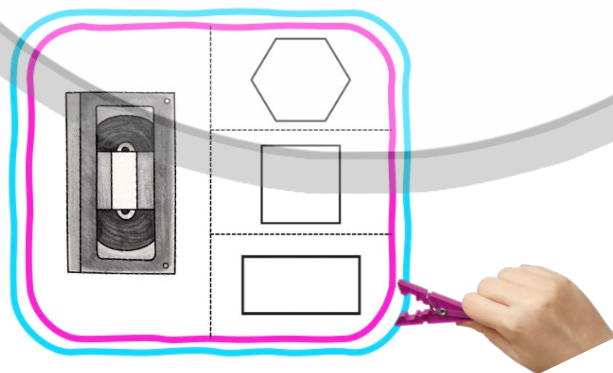
Real-World Shape Clip

Directions:

1. Print all the image shape cards.
2. Cut out and laminate.
3. Put all the shape cards into a large Ziploc bag with enough clothespins for each card to have one.
4. Students can play this game individually, in pairs, or in small groups.
5. Students will look at the card with the real-world object and place a clothespin clip on the geometric shape that matches the real-world object.

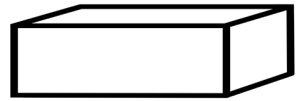
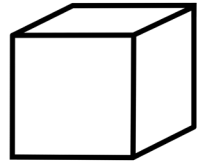
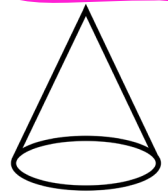
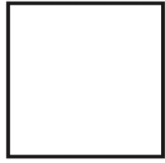
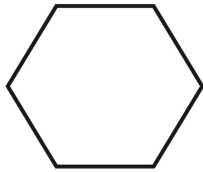
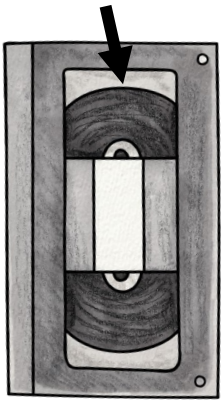
Label

Real-World Shape Clip

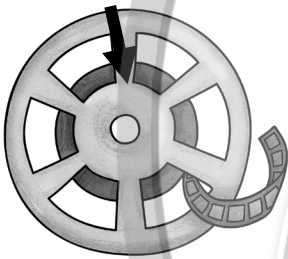


Directions: Determine which geometric shape matches the real-world object by clipping it.

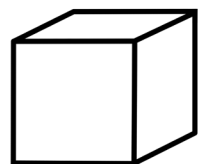
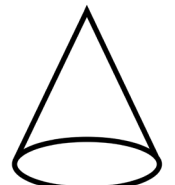
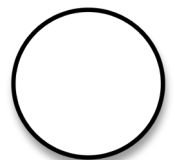
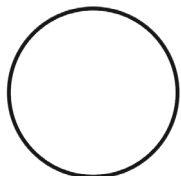
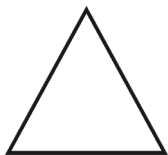
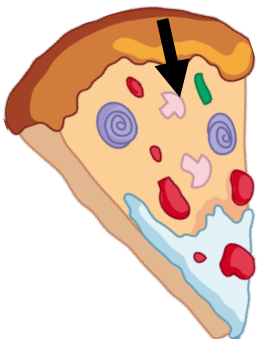
Face



Face



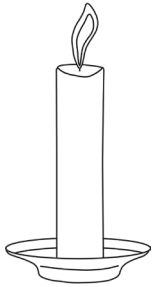
Face



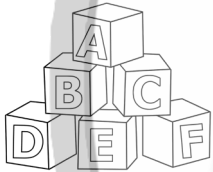
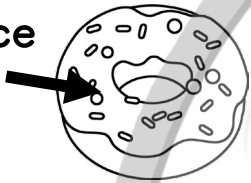
Name: _____ Date: _____

Identifying Real-World Shapes

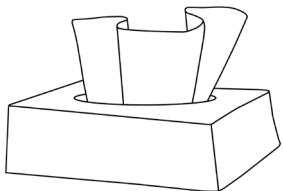
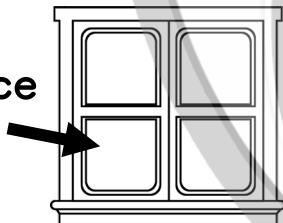
Directions: Look at all the real-world objects. Draw a line connecting the real-world shape to the name of their correct geometric shape.



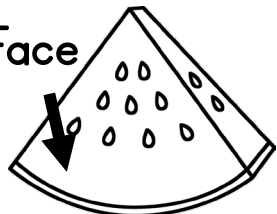
Face



Face



Face



circle

rectangular
prism

cylinder

triangle

cube

square

Name: _____ Date: _____

Problem Solver

Solve the word problems. Identify the geometric shape.

1. Lloyd found a rock. It has zero vertices and zero edges. It is a closed shape and curved. What type of 3D shape is it?

2. Savannah has a candy that has 6 vertices, 6 sides, and straight edges. What type of 2D shape is this candy's face?

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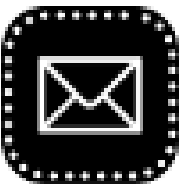
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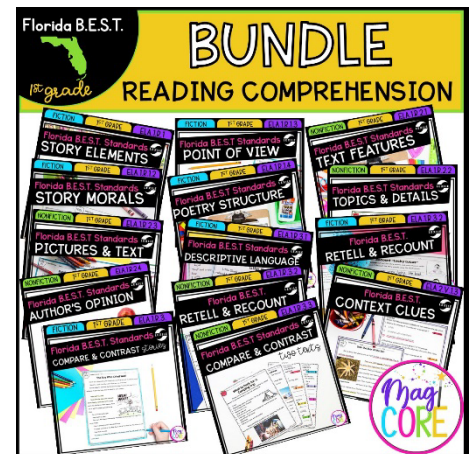


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