



Preview - Information



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Google Slides Lessons Preview





Alberta Math Curriculum Shape & Space – Grade 1

3-Part Lesson Format

Part 1 – Minds On!

- Learning Goals
- Discussion Questions
- Quotes
- And More!

Learning Goal

We are learning to find how long shapes and objects are so we can tell how they are the same or different.



Comparing Length – Shortest to Longest

Drag the numbers to order the shapes from shortest (1) to longest (3).

1 2 3

Part 2 – Action!

- Writing
- Matching
- Drag and Drop
- Drawing
- And More!

Part 3 – Consolidation!

- Exit Cards
- Quizzes
- Reflection
- And More!

Exit Card – I Wonder Statements

Think about what you learned today about measuring and comparing the length of shapes and objects.

Write two "I wonder..." statements to show your thinking.

Examples:

- I wonder why some objects are easier to measure than others.
- I wonder if I can measure the playground equipment the same way I did in class.











Alberta Math Curriculum Shape & Space - Grade 1

Mass

Which object has more mass? Drag the checkmark to your answer.

 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>

Which objects weigh?

 The apple weighs _____.	 The backpack weighs _____.
 The gift box weighs _____.	 The blender weighs _____.
 The vase weighs _____.	 The television weighs _____.

Which container has more capacity?

 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>



Alberta Math Curriculum Shape & Space – Grade 1

Capacity – Comparing Litres

A litre is a unit of measurement that measures the capacity of a container. This container holds 1 litre.






Does the container hold more or less than 1 litre? Drag the checkmark to your answer.

1 litre = 4 cups

			
More / Less	More / Less	More / Less	More / Less
			
More / Less	More / Less	More / Less	More / Less

Shape & Space

Drag each shape and place it in the correct box.

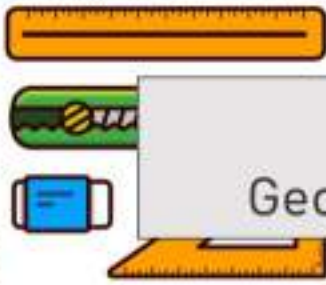
Circle	Rectangle	Square	Triangle	Star
				

	B	C	D	E	F	G	H
I	J	K	L	M	N	O	P
1 Side				3 Sides			
4 Sides				5 Sides			



Workbook Preview





Grade 1 Geometry and Measurement



	Geometry - Curriculum Expectations	Pages
G.1	<p>Students interpret shape in two and three dimensions.</p> <ul style="list-style-type: none">Identify familiar shapes in various sizes and orientations.Model two-dimensional shapes. Sort shapes according to one attribute and describe the sorting rule.Compose and decompose two- or three-dimensional composite shapes.Identify familiar shapes within two- or three-dimensional	5-68, 72-85
M.1	<p>Students relate length to the understanding of size</p> <ul style="list-style-type: none">Recognize the height, width, or depth of an object as lengths in various orientations.Compare and order objects according to length.Describe distance in familiar contexts.Compare the length, area, or capacity of two objects directly or indirectly using a third object.Order objects according to length, area, or capacity.	89-139
TQ	Tests and quizzes	69-71, 86-87, 140-142

Preview of 100 pages from
this product that contains
234 pages total.

Familiar Two-Dimensional Shapes

Colour

Follow the instructions below



Circles



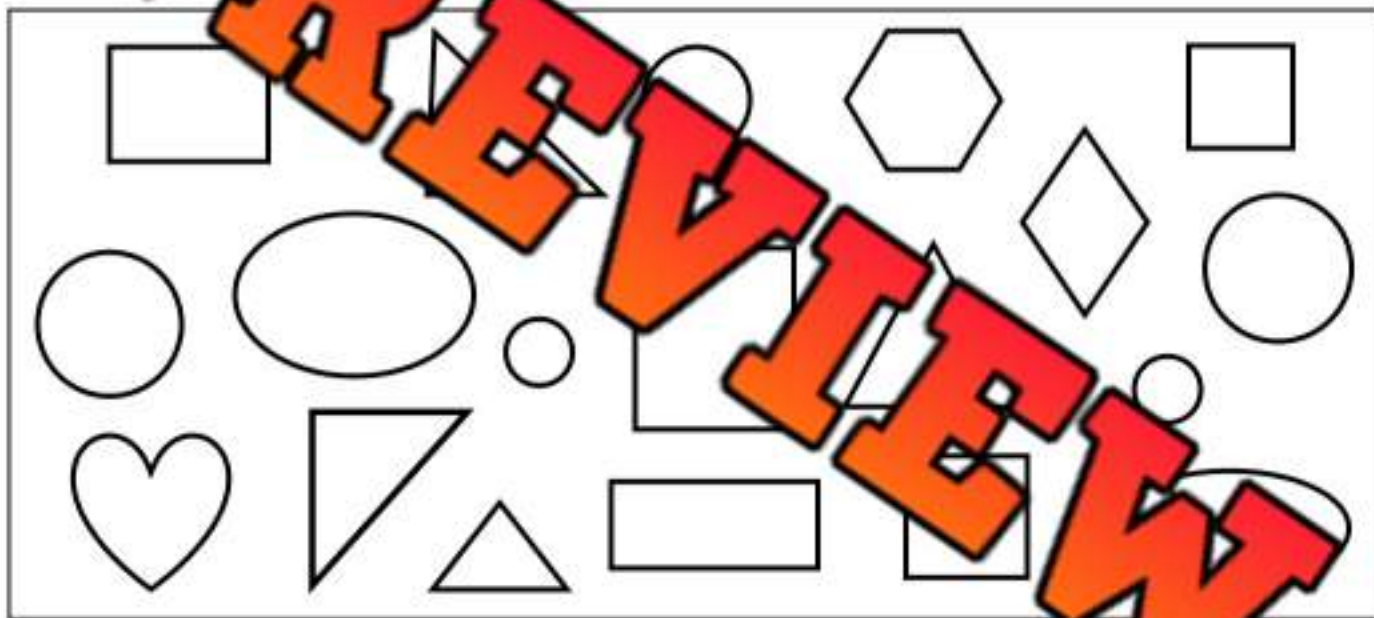
Rectangles



Squares



Triangles



Draw

Draw the different two-dimensional shapes

Circle	Rectangle	Square	Triangle

2D vs 3D Shapes**Instructions**

Check whether it is a 2D shape or a 3D object

1)



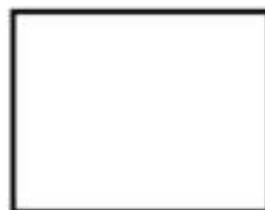
- 2 Dimensional
 3 Dimensional

2)



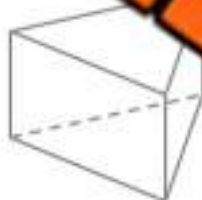
- 2 Dimensional
 3 Dimensional

3)



- 2 Dimensional
 3 Dimensional

4)



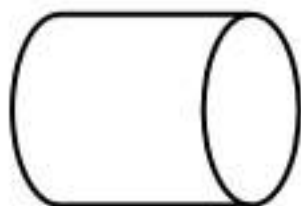
- 2 Dimensional
 3 Dimensional

6)



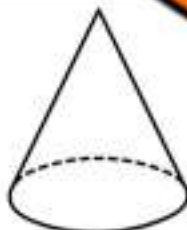
- 2 Dimensional
 3 Dimensional

7)



- 2 Dimensional
 3 Dimensional

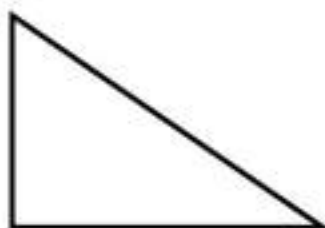
8)



- 2 Dimensional
 3 Dimensional

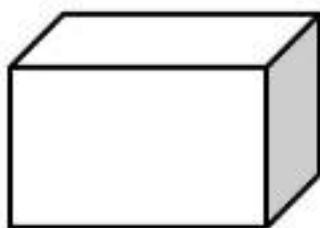
- 2 Dimensional
 3 Dimensional

10)



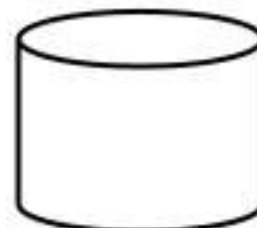
- 2 Dimensional
 3 Dimensional

11)



- 2 Dimensional
 3 Dimensional

12)



- 2 Dimensional
 3 Dimensional

Name: _____

Sorting 2D vs 3D Shapes



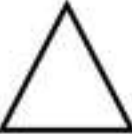
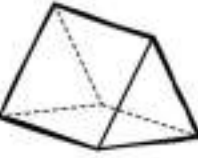
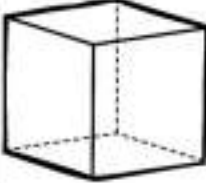
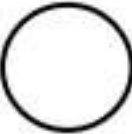
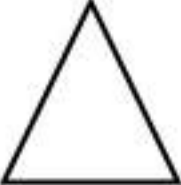
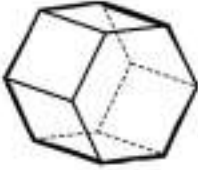

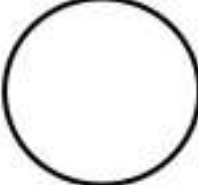
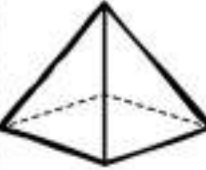
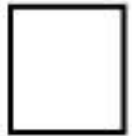
2D

3D

PREVIEW

Questions







Cut the shapes out and paste them in the correct

Sorting 2D vs 3D Shapes

Instructions

Sort the shapes into the correct categories by writing their letters below

					
		C	D	E	F

				
G	H	I		L

2-Dimensional

3-Dimensional

Exit Cards

Cut Out

Cut out the exit cards below and have students complete them at the end of class

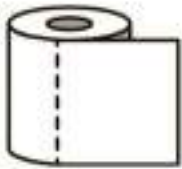
Name: _____

Circle if the images are 2D or 3D.



2D 3D

2D 3D



2D 3D



2D 3D

Name: _____

Circle if the images are 2D or 3D.



2D 3D



2D 3D



3D



2D 3D

Name: _____

Circle if the images are 2D or 3D.



2D 3D



2D 3D



2D 3D



2D 3D

Name: _____

Circle if the images are 2D or 3D.



2D 3D



2D 3D



2D 3D



2D 3D

Activity Title: Shape Treasure Hunt

Objective

What are we learning about?

To help students identify and differentiate between 2D and 3D shapes through an interactive treasure hunt game.

Materials

What you will need for the activity.

- A variety of 2D and 3D shapes (circles, squares, triangles, cubes, cylinders, pyramids)
- Two large signs labeled "2D Station" and "3D Station"
- Small prizes or stickers for participants



Instructions

How you will complete the activity.

- 1) Prepare by hiding the shape images around the classroom in a designated safe outdoor area before the activity starts. Prizes for shapes found more treasure and a longer hunt.
- 2) Divide students into small groups to encourage teamwork.
- 3) Explain the difference between 2D (flat shapes) and 3D (shapes with depth) before starting the hunt.
- 4) On your signal, allow the students to start searching for the hidden shape images.
- 5) Once a student finds an image, they must decide if it is a 2D or 3D shape and then go to the corresponding station to stand. Optional: have students keep searching for the "treasure" shapes if you want to keep them engaged.
- 6) When all shapes are found, gather the students at each station and review each found image as a group, confirming whether it was correctly identified as 2D or 3D.
- 7) Discuss why each shape belongs to its category, reinforcing the characteristics of 2D and 3D shapes.
- 8) Provide small prizes or stickers to all participants for their effort and learning.

Name: _____

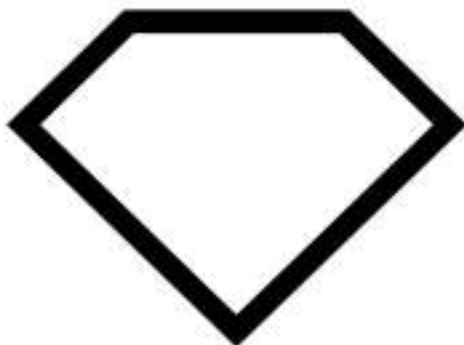
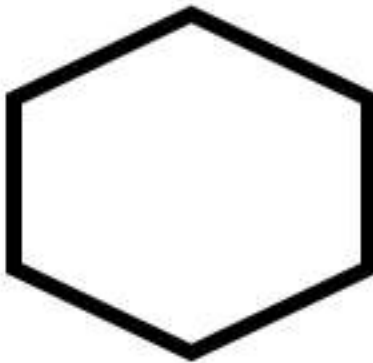
14

Instructions

Cut out the cards below



PREVIEW



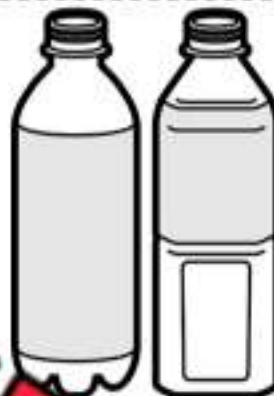
Name: _____

15

Curriculum Connection
G.1

Instructions

Cut out the cards below



PREVIEW

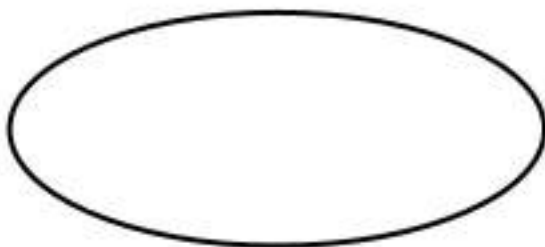
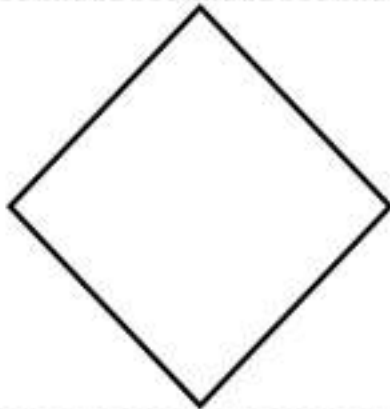
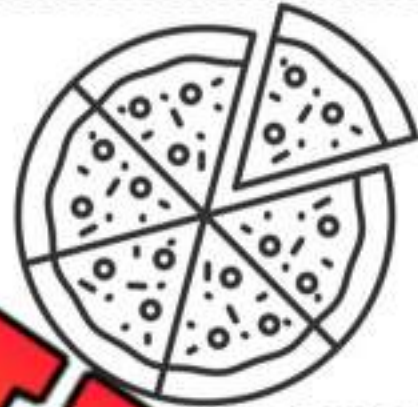
Name: _____

16

Curriculum Connection
G.1

Instructions

Cut out the cards below



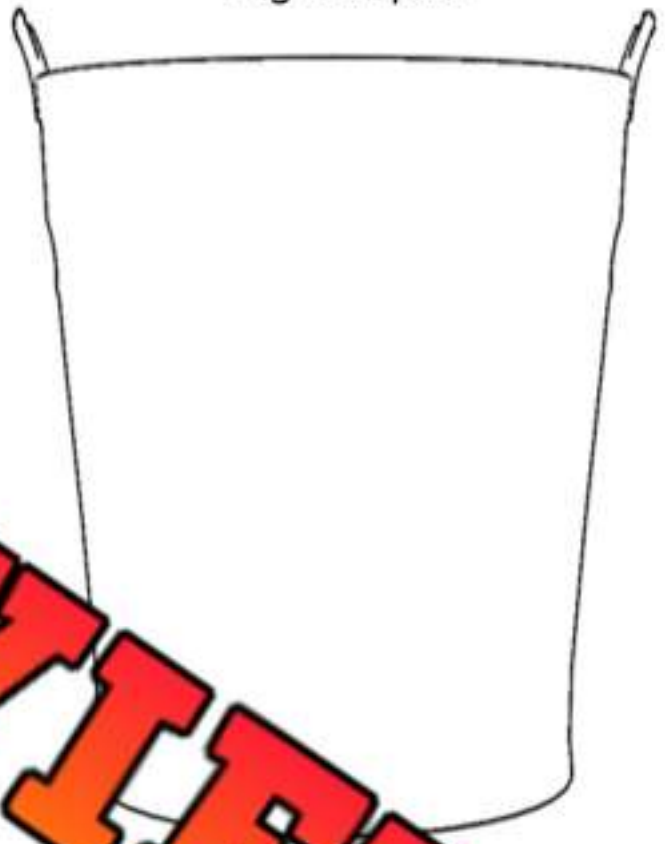
PREVIEW

Comparing 2D Shapes - Size

Small Shapes



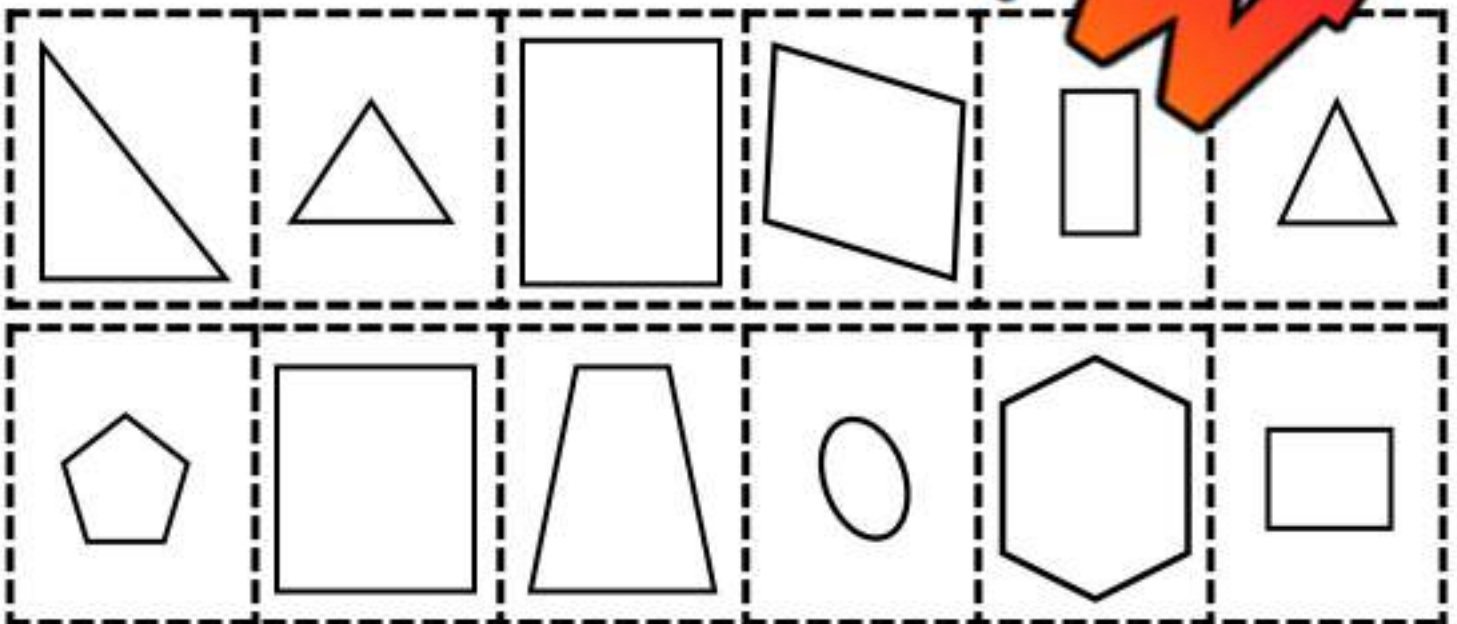
Big Shapes



PREVIEW

Instructions

Cut the shapes out and paste them into the bucket.



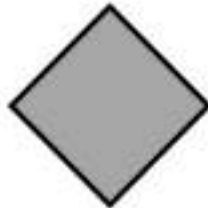
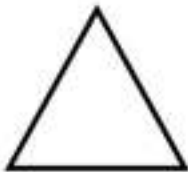
Sorting 2D Shapes - Colour

Instructions

Sort the shapes into the correct categories

Grey Shapes**White Shapes**

PREVIEW



A

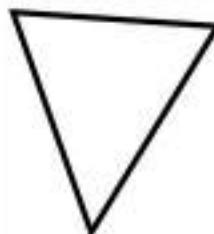
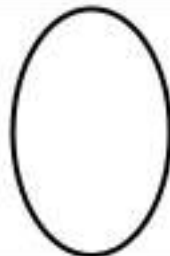
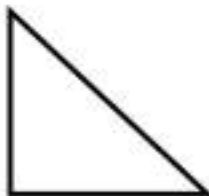
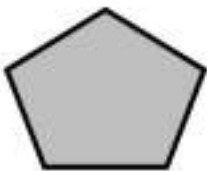
B

C

D

E

F



G

H

I

J

K

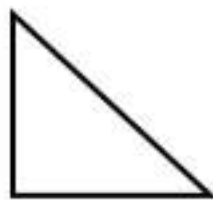
L

Sorting 2D Shapes - Sides**Instructions**

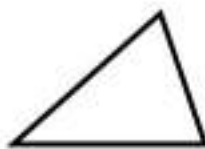
Sort the shapes into the correct categories

3 or less sides**4 or more sides****PREVIEW**

A



B



C

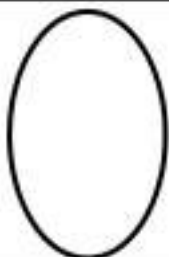


D



E

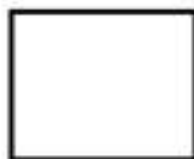
F



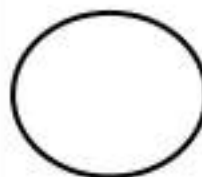
G



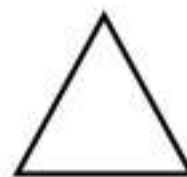
H



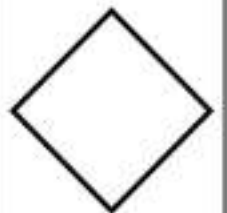
I



J



K



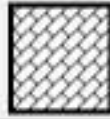
L

Name: _____

Sorting 2D Shapes - Pattern



Diagonal Line Pattern

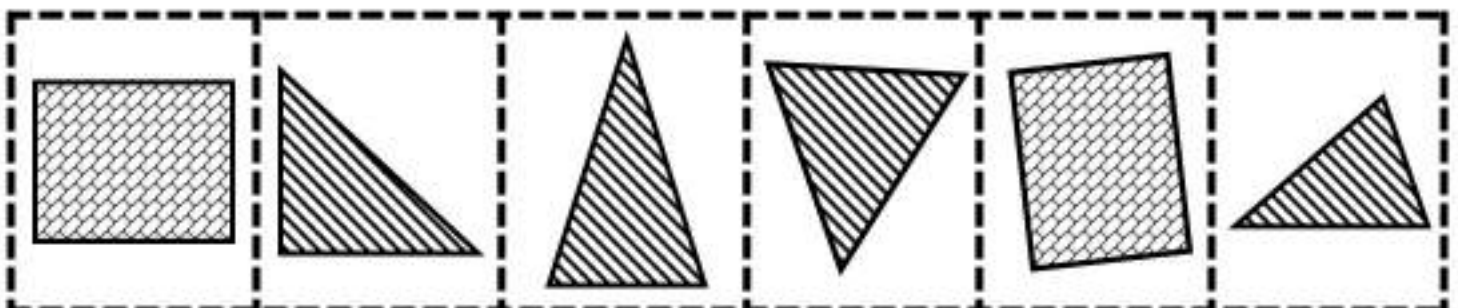
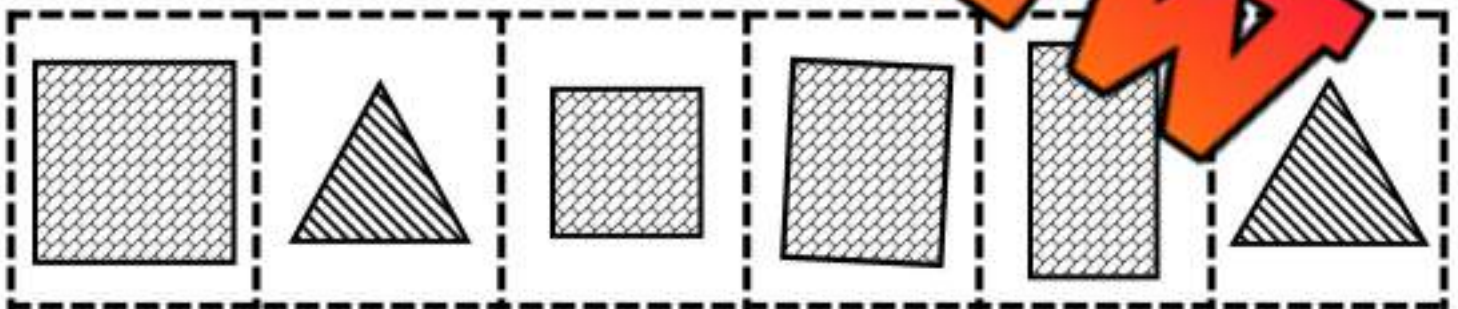


Brick Pattern

PREVIEW

Instructions

Cut the shapes out and paste them in the correct area



Sorting 2D Shapes – Sorting Rules




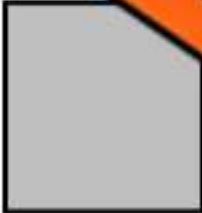


Instructions







Choose 1 sorting rule to sort the shapes below

Sorting Rule Options – Choose 1 that will work
Pattern, No Pattern, Colour, Number of Sides, Round, Not Round, Size

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PREVIEW

					
A	B	C	D	E	F

					
G	H	I	J	K	L

Sorting 2D Shapes – Sorting Rules

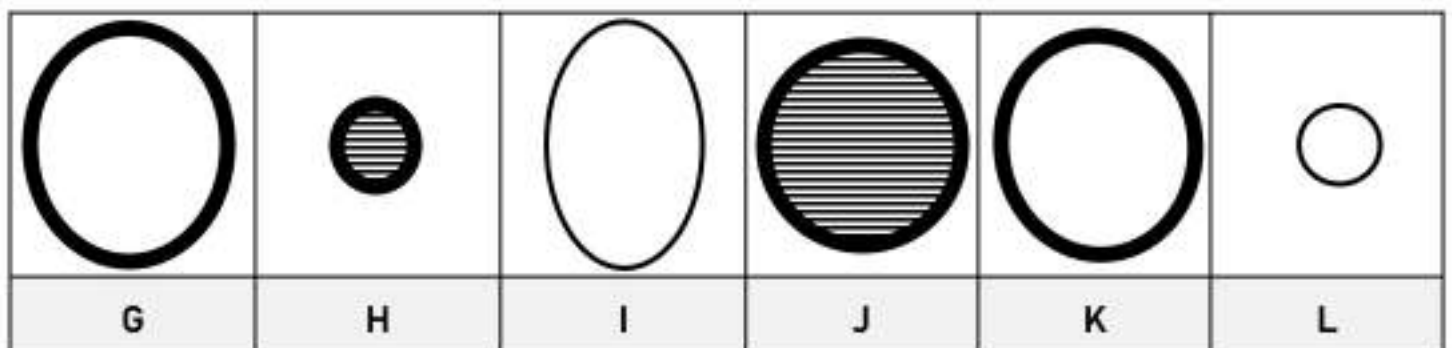
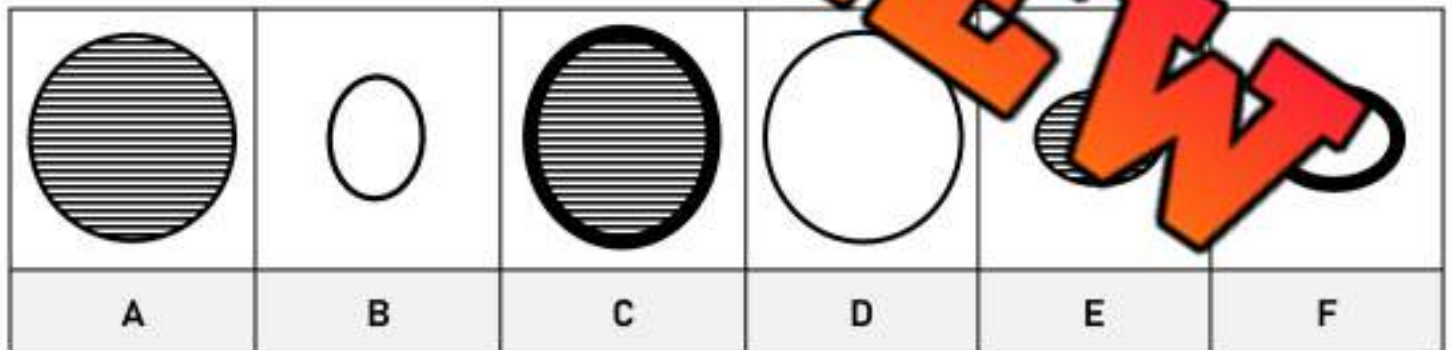
Questions

Choose 1 sorting rule to sort the shapes below

Sorting Rule Options – Choose 1 that will work
Pattern, No Pattern, Colour, Number of Sides, Round, Not Round, Size, Thickness

--	--

PREVIEW



Odd Shape Out – Sorting Rule

Instructions

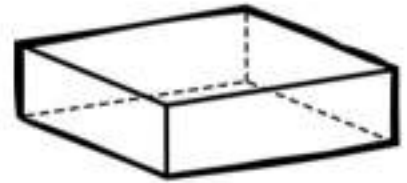
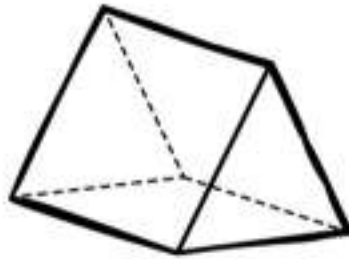
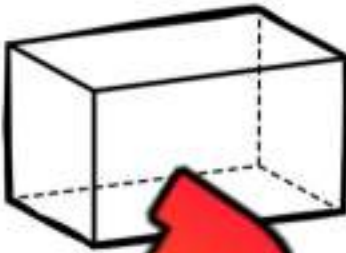
Each row has 8 shapes that follow a sorting rule, except for 1 shape. Circle the shape that doesn't belong and circle the sorting rule.

Shapes in the Group	Sorting Rule (Circle One)
	A) Shapes with 3 sides B) Shapes with 4 sides
	A) Shapes with straight edges B) Shapes with curved edges
	A) Shapes with 4 sides B) Shapes with no sides
	A) Shapes with triangles B) Shapes with squares
	A) Shapes with straight lines B) Shapes with curved lines
	A) Shapes with 4 sides B) Diamonds only
	A) Quadrilaterals only B) Shapes with 3 sides
	A) Shapes with only straight edges B) Shapes with no straight edges
	A) Shapes with 4 sides only B) Shapes pointing down
	A) Shapes with straight edges B) Shapes with curved edges

Naming Prisms

Instructions

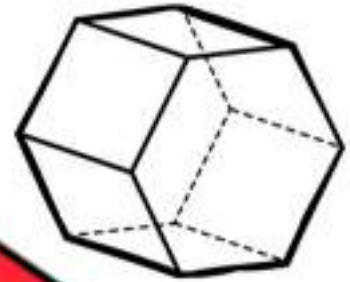
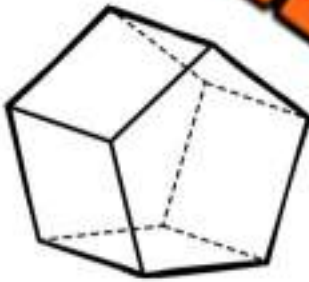
Circle the name of the prism



Rectangular Prism
Triangular Prism

Rectangular Prism
Triangular Prism

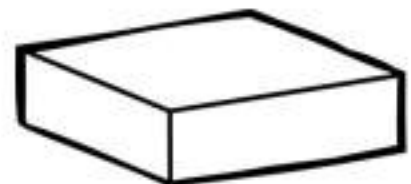
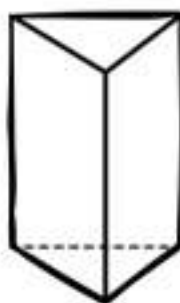
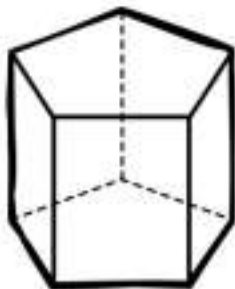
Rectangular Prism
Triangular Prism



Rectangular Prism
Triangular Prism
Pentagonal Prism

Cube
Hexagonal Prism
Pentagonal Prism

Rectangular Prism
Hexagonal Prism
Pentagonal Prism



Rectangular Prism
Hexagonal Prism
Pentagonal Prism

Rectangular Prism
Triangular Prism
Pentagonal Prism

Rectangular Prism
Hexagonal Prism
Pentagonal Prism

PREVIEW

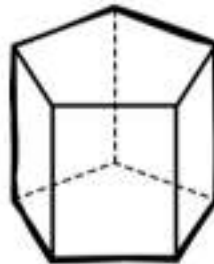
Prism, Cone, or Pyramid

Questions

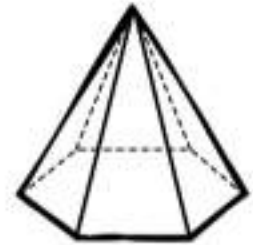
Is the shape a prism, cone or pyramid?



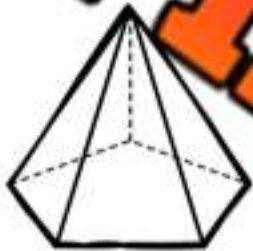
Prism Cone Pyramid



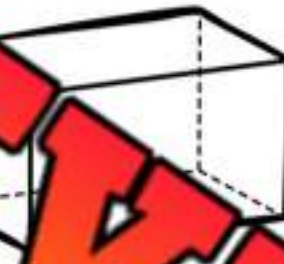
Prism Cone Pyramid



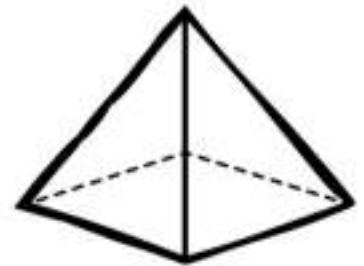
Prism Cone Pyramid



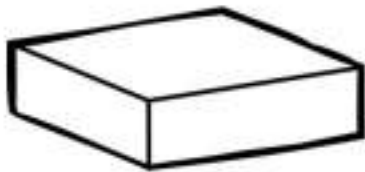
Prism Cone Pyramid



Prism Cone Pyramid



Prism Cone Pyramid



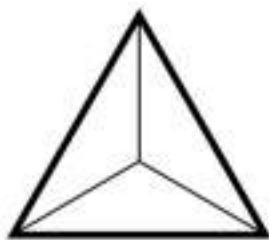
Prism Cone Pyramid



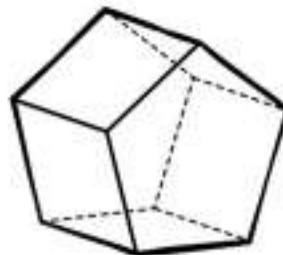
Prism Cone Pyramid



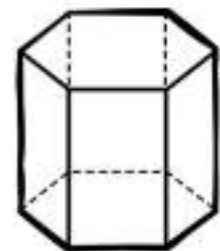
Prism Cone Pyramid



Prism Cone Pyramid



Prism Cone Pyramid



Prism Cone Pyramid

PREVIEW

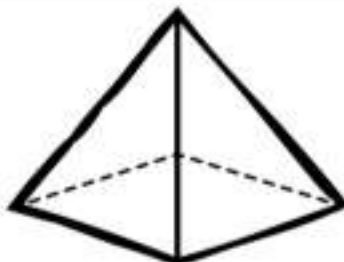
Naming Pyramids and Cones

Questions

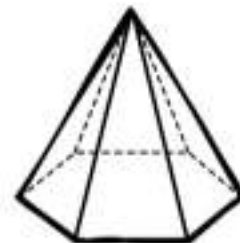
Circle the name of the cone or pyramid



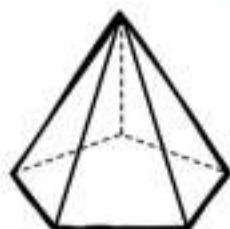
Rectangular-Based Pyramid
Triangular-Based Pyramid
Pentagon-Based Pyramid



Square-Based Pyramid
Triangular-Based Pyramid
Pentagon-Based Pyramid



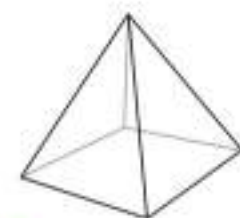
Rectangular-Based Pyramid
Pentagon-Based Pyramid
Hexagon-Based Pyramid



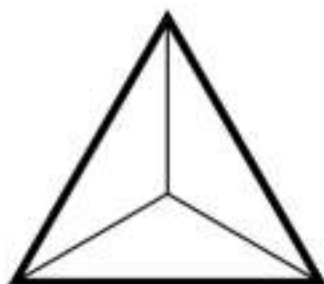
Rectangular-Based Pyramid
Cone
Pentagon-Based Pyramid



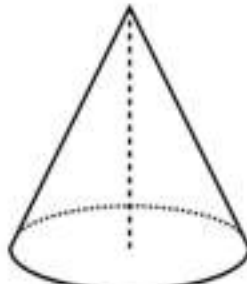
Rectangular-Based Pyramid
Cone
Triangular-Based Pyramid



Rectangular-Based Pyramid
Triangular-Based Pyramid
Pentagon-Based Pyramid



Rectangular-Based Pyramid
Triangular-Based Pyramid
Cone



Cone
Triangular-Based Pyramid
Pentagon-Based Pyramid



Rectangular-Based Pyramid
Hexagon-Based Pyramid
Pentagon-Based Pyramid

Name: _____

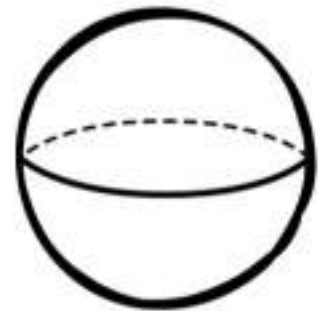
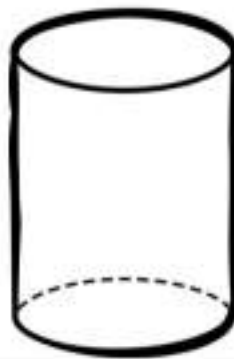
32

Curriculum Connection
G.1

Cone, Cylinder, or Sphere

Questions

Is the 3D object a cone, cylinder, or sphere?



Cone Cylinder

Cylinder Sphere

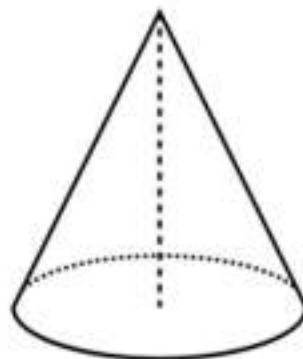
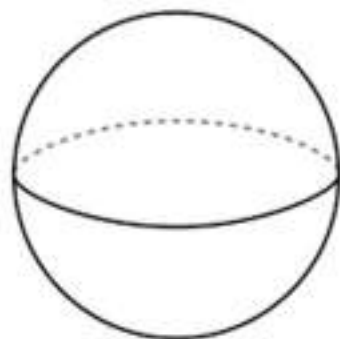
Cone Cylinder Sphere



Cone Cylinder Sphere

Cone Cylinder Sphere

Cone Cylinder Sphere



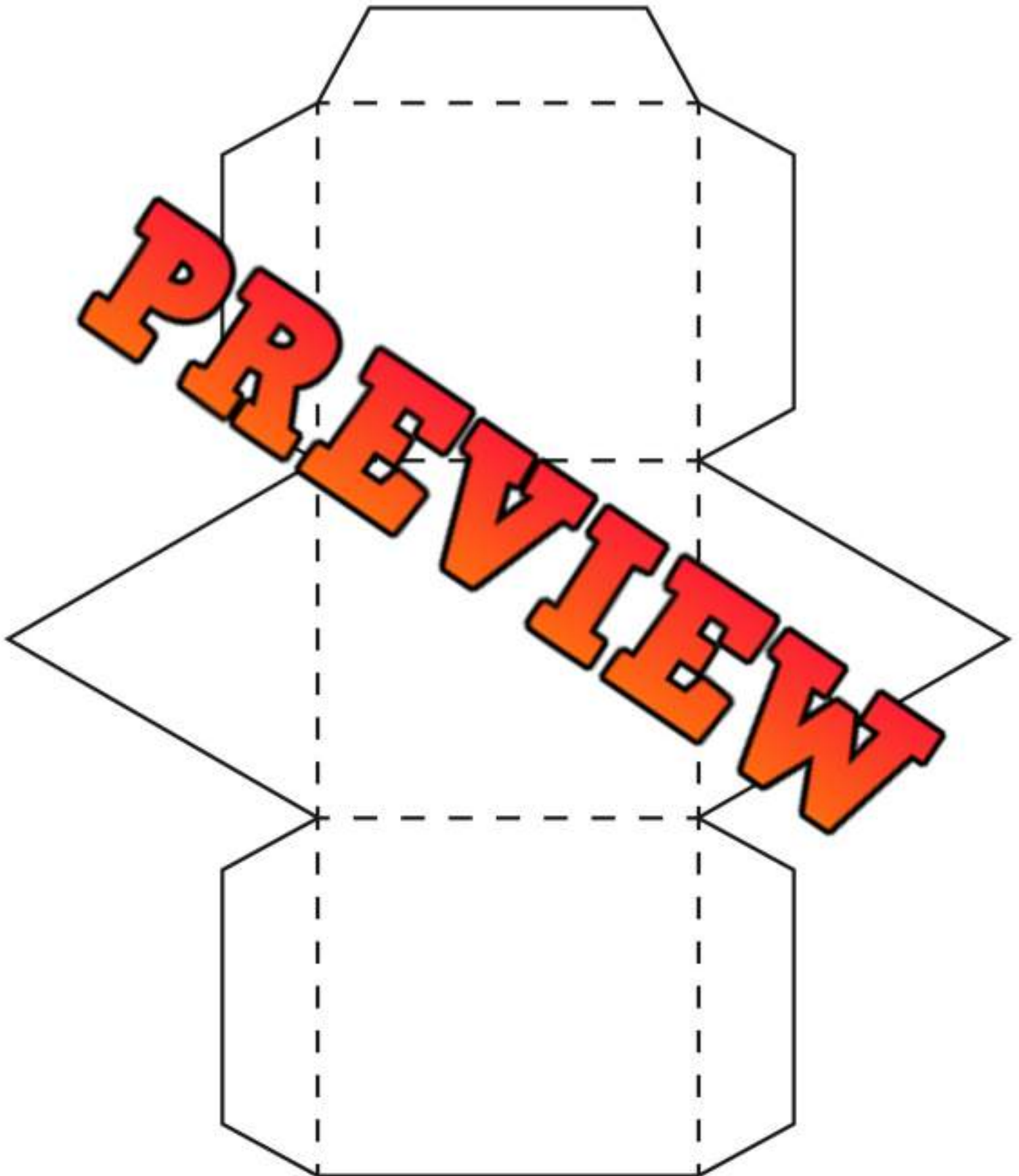
Cone Cylinder Sphere

Cone Cylinder Sphere

Cone Cylinder Sphere

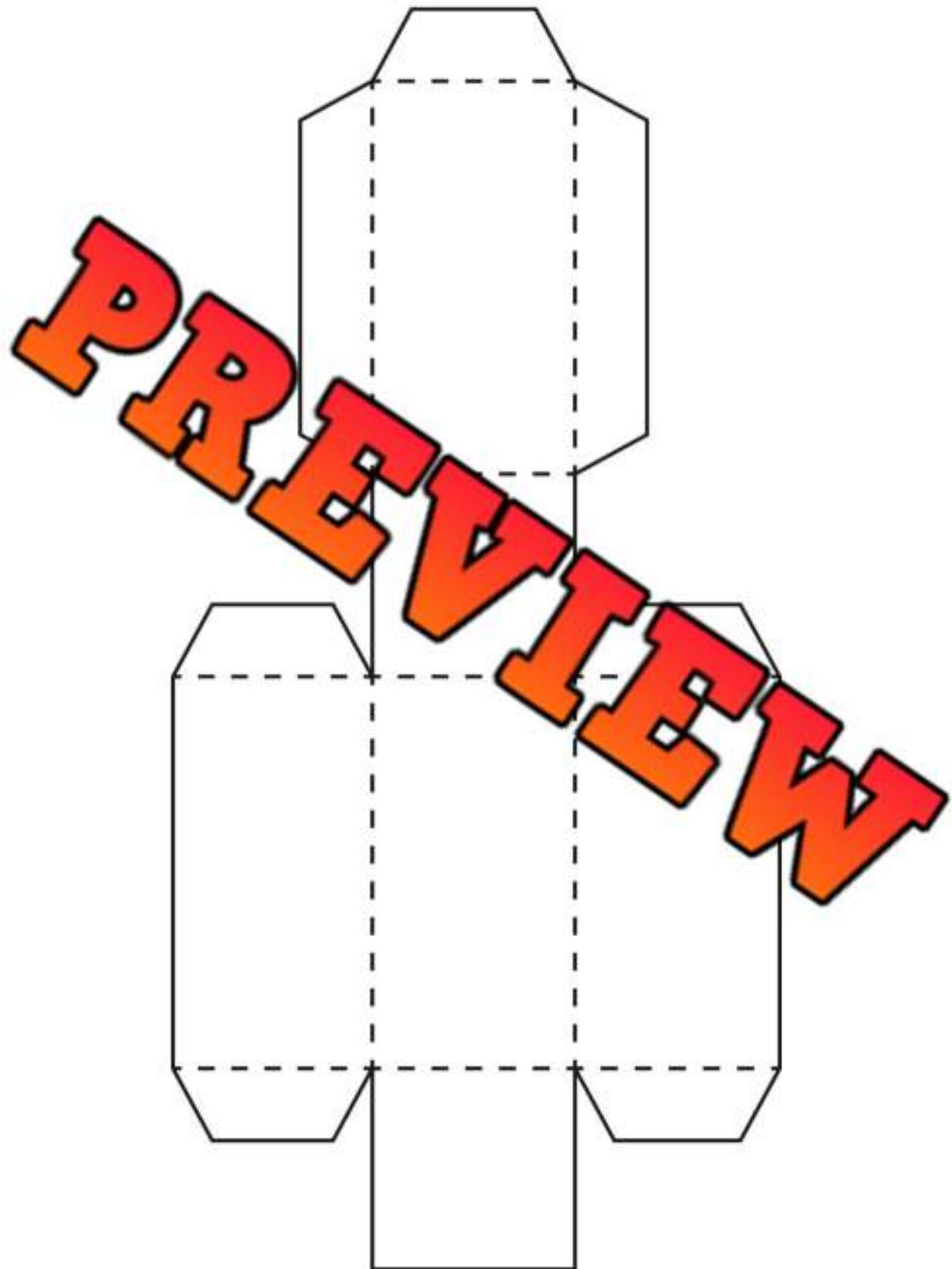
Name: _____

3D Model – Triangle Based Prism Net



Name: _____

3D Model – Rectangle Based Prism Net

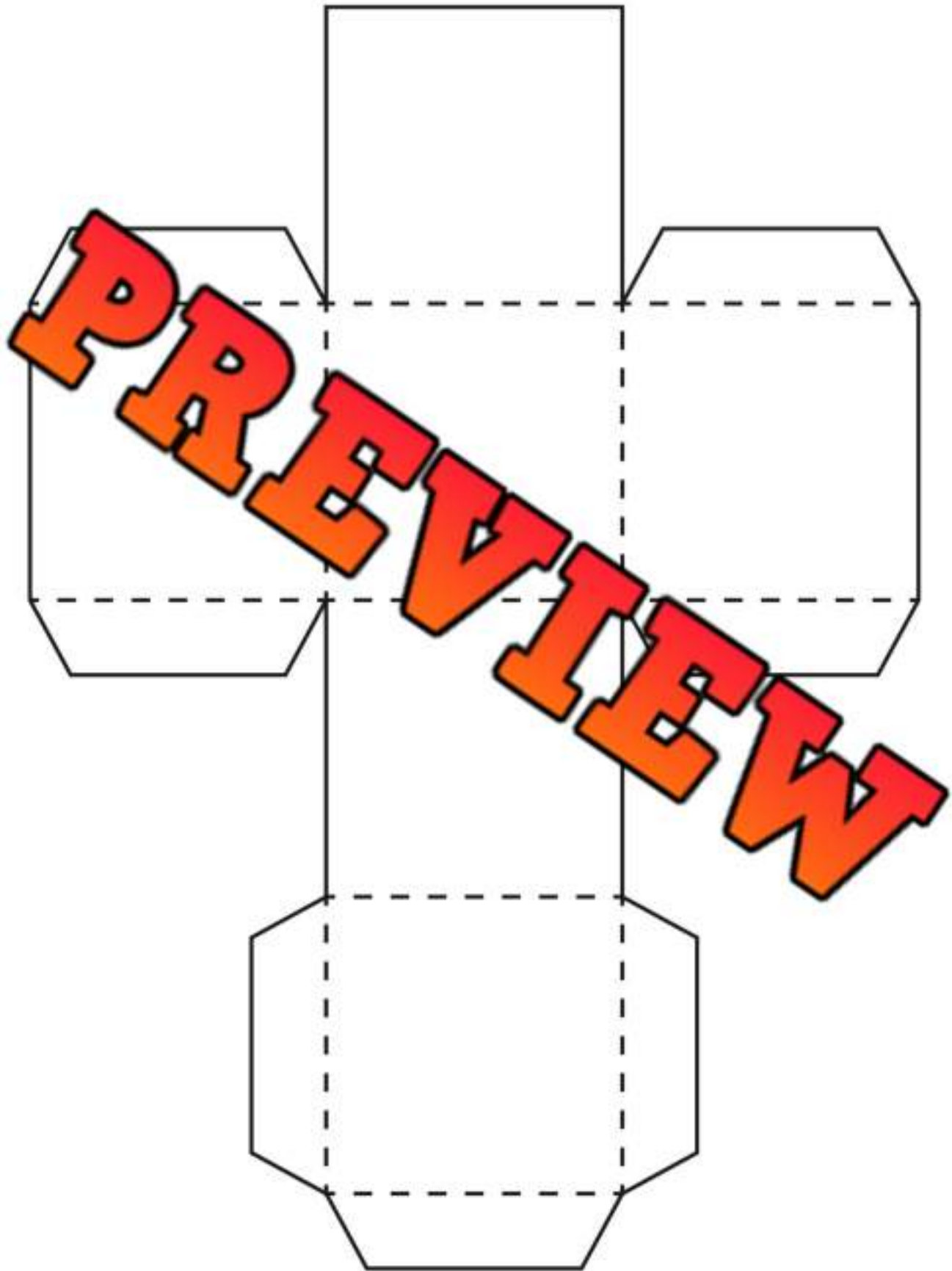


Name: _____

35

Curriculum Connection
G.1

3D Model – Cube Net



Name: _____

38

Curriculum Connection
G.1

3D Model – Cone Net

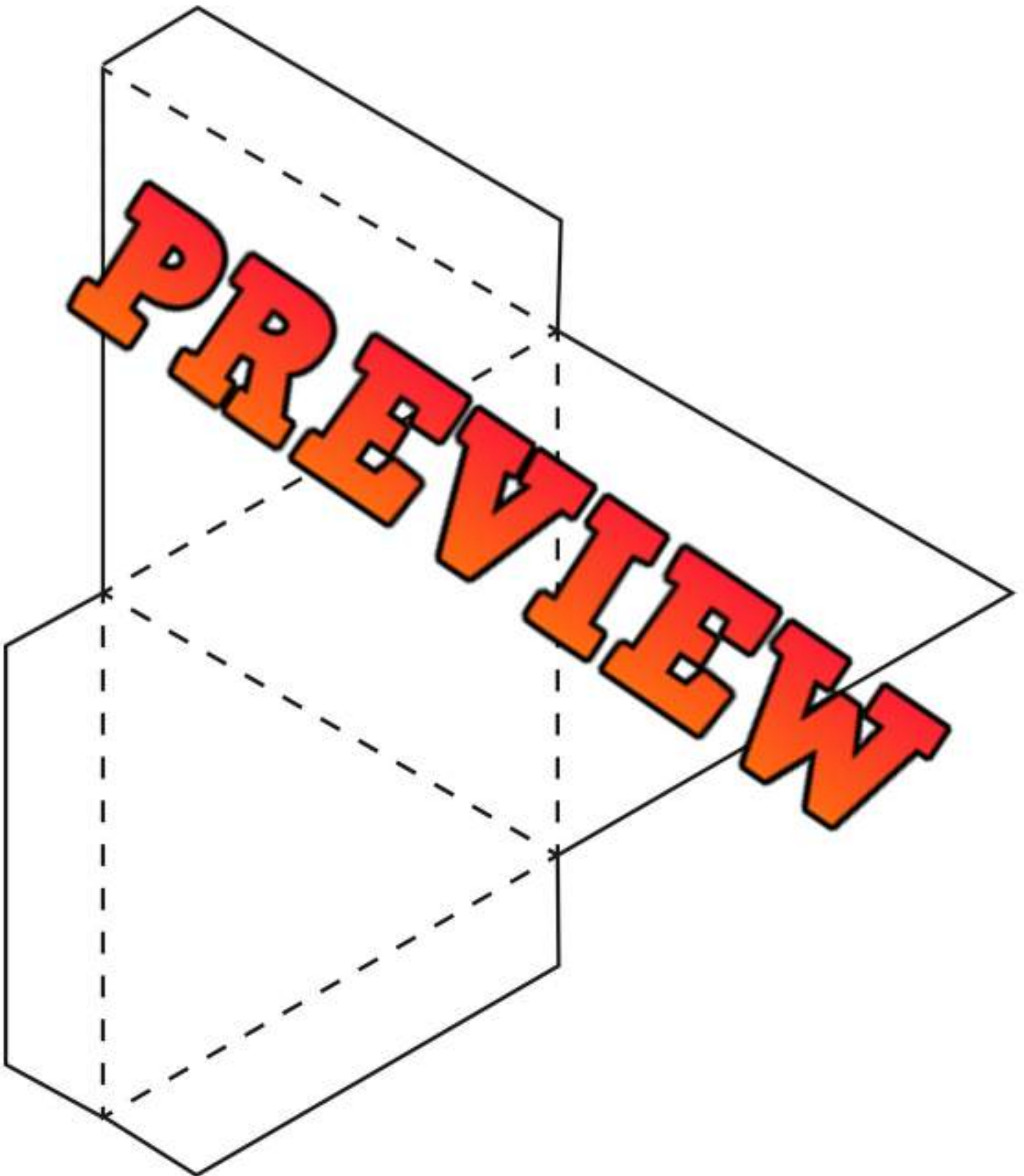


Name: _____

40

Curriculum Connection
G.1

3D Model – Triangle Based Pyramid Net



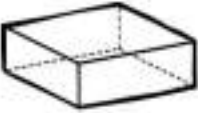

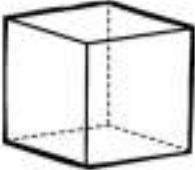
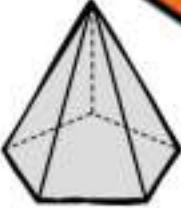


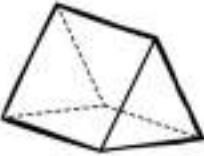
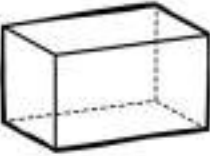
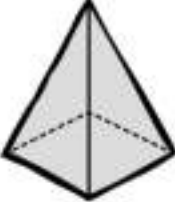


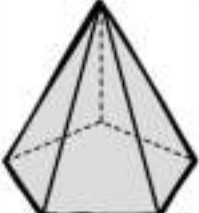
Sorting 3D Shapes - Colour

Grey	White

PREVIEW

Instructions

Write the letter below each shape in the correct category

					
A	B	C	D	E	F
					
G	H	I	J	K	L


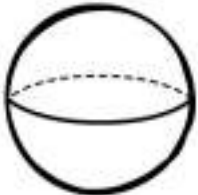
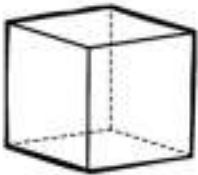




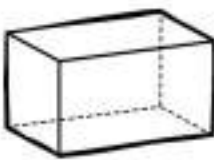



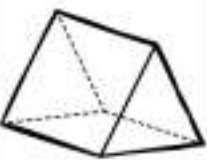
Sorting 3D Shapes - Rounded

Round	Not Round

PREVIEW

Instructions

Write the letter below each shape in the correct category

					
A	B	C	D	E	F
					
G	H	I	J	K	L

Activity Title: Geometric Builders

Objective

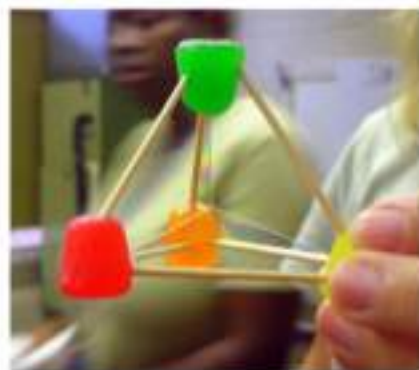
What are we learning about?

To help students understand the structure and properties of different 3D geometric shapes by creating them using toothpicks and marshmallows.

Materials

What you will need for the activity.

- Toothpicks
- Marshmallows (various sizes)
- Worksheet with diagrams of 3D shapes
- Coloured markers
- Paper for sketching.



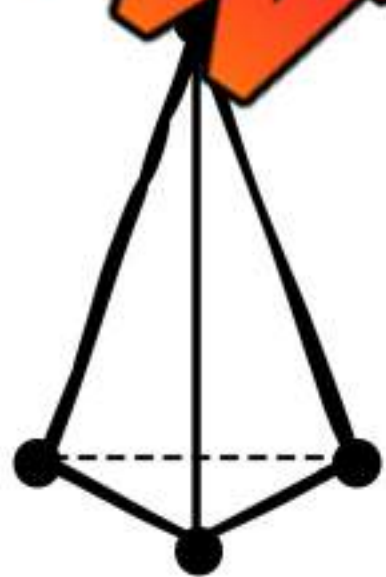
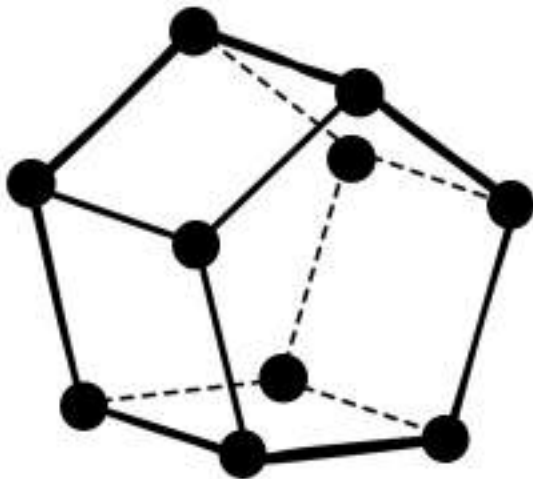
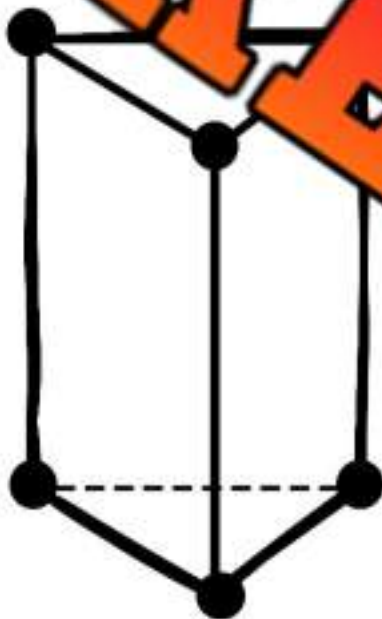
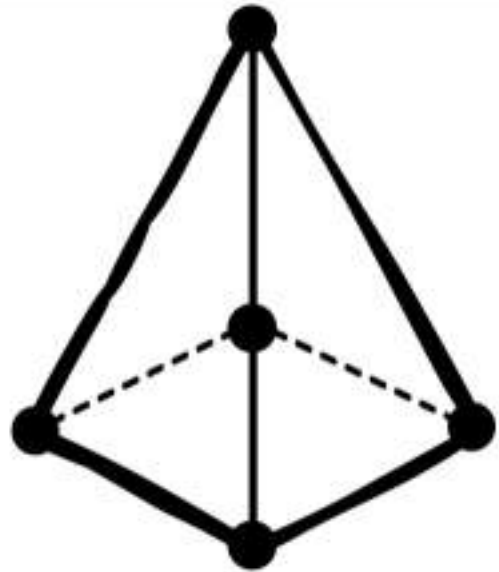
Instructions

How you will complete the activity.

- 1) Explain the basic elements of 3D shapes: edges, vertices, and faces.
- 2) Show the students examples of 3D shapes like cubes, spheres, cones, and pyramids on the worksheet.
- 3) Distribute toothpicks and marshmallows to the students.
- 4) Guide the students to connect the toothpicks with marshmallows to form vertices and edges of the shapes illustrated on their worksheets.
- 5) Encourage them to use the colored markers to color the marshmallows according to the number of edges each vertex joins (e.g., blue for 3 edges, red for 4 edges).
- 6) Allow students to experiment with creating their own 3D shapes once they have completed the examples.
- 7) Assist the students in comparing their shapes with the diagrams to check for accuracy.

Worksheet

Use the following diagrams to construct your 3D shapes

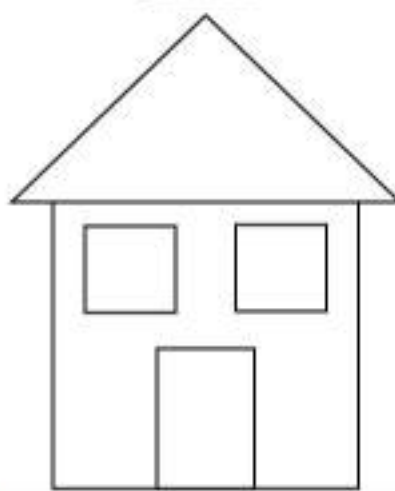
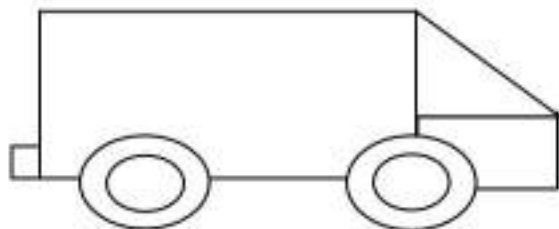


PREVIEW

Composite Pictures Using 2D Shapes

Directions

Colour the shapes below

Tree**House****Car****Bridge****Directions**

Draw some 2D smaller shapes that you see in the pictures above

Drawing Composite Pictures Using 2D Shapes**Directions**

Draw the pictures below using smaller shapes

Tree

House

Car

Bridge

PREVIEW

Activity Title: Build 3D Using 2D Shapes

Objective

What are we learning about?

Students will use 2D shapes to create a 3D tree with layered shapes to give the picture depth – a third dimension.

Materials

What you will need for the activity.

- Coloured paper (green, brown, and other festive colours)
- Glue sticks
- Safety scissors
- Template with 2D shapes
- Glitter or stickers for decoration
- Large sheet of white paper for background



Instructions

How you will complete the activity.

- 1) Start with an introduction to the shapes that will be used, such as triangles and rectangles.
- 2) Hand out the safety scissors and coloured paper. Cut out shapes on green for the tree and brown for the trunk.
- 3) Show the students how to cut large triangles for the tree and a rectangle for the trunk.
- 4) Guide them to glue the triangle on the larger background paper as the tree.
Optional: fold the shapes to give the picture more depth.
- 5) Have them glue the rectangle at the bottom of the triangle to represent the tree trunk.
- 6) Offer glitter and stickers for them to decorate their tree to make it festive.
- 7) Allow each student to use additional colored paper to cut out presents, stars, or other decorations to add to their scene.
- 8) Once everyone is done, encourage them to present their artwork to the class and describe what they made.
- 9) Hang the completed projects in the classroom or a common area to showcase their work.

Examples

Show students the examples below



PREVIEW

Tangrams

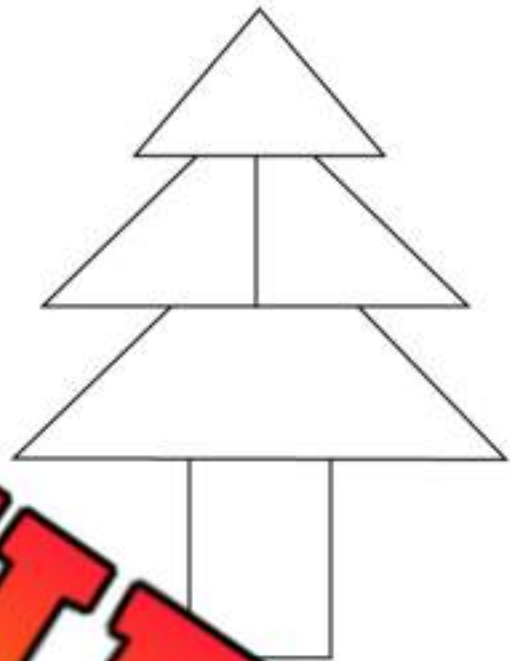
Directions

Use the pictures below to create tangrams using blocks

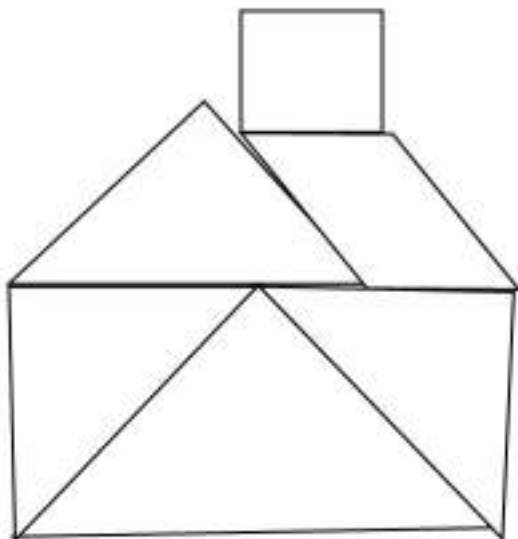
Rocket



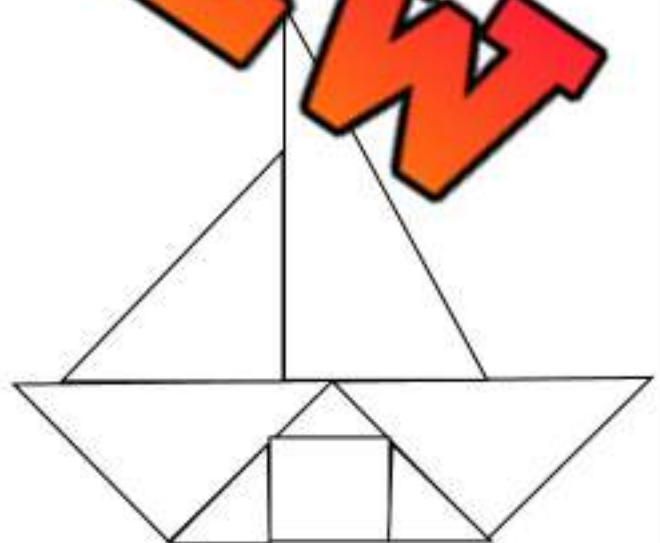
Tree



House



Boat



PREVIEW

3D Shapes – Composite Pictures

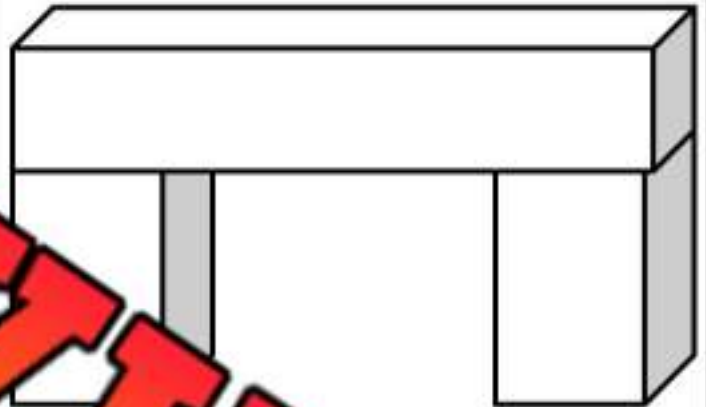
Directions

Colour the 3D objects below

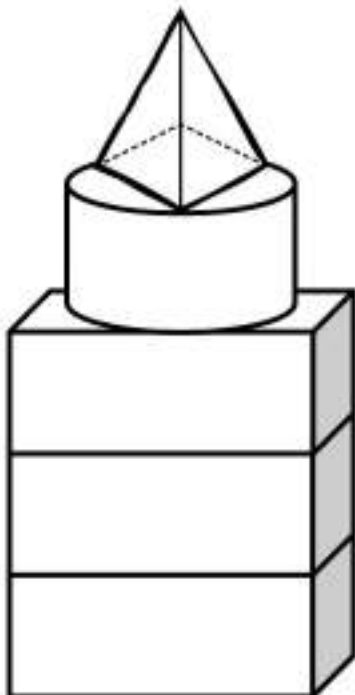
House



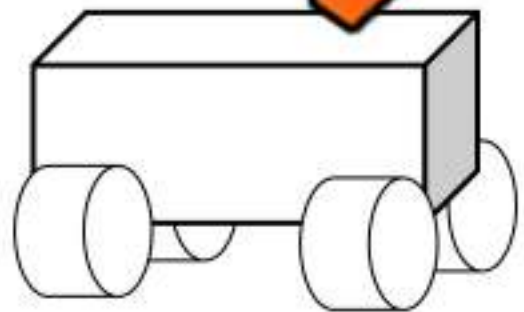
Bridge



Tower







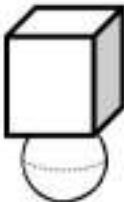

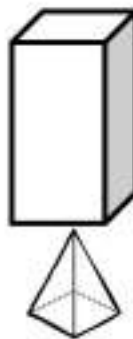

Car



Building Using 3D shapes – Possible or Impossible?

Directions

Circle whether the picture is possible to make or not

1)		Possible	Impossible	5)		Possible	Impossible
2)		Possible	Impossible	6)		Possible	Impossible
3)		Possible	Impossible	7)		Possible	Impossible
4)		Possible	Impossible	8)		Possible	Impossible

Exit Cards

Cut Out

Cut out the exit cards below and have students complete them at the end of class

Name: _____

Circle whether the picture is possible to make



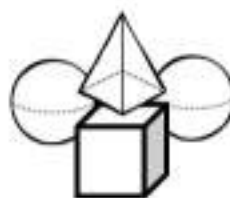
Possible Impossible



Possible Impossible

Name: _____

Circle whether the picture is possible to make or not.



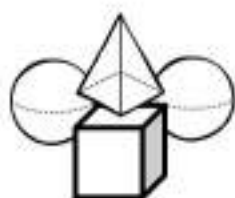
Possible Impossible



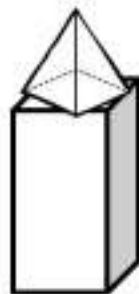
Possible Impossible

Name: _____

Circle whether the picture is possible to make or not.



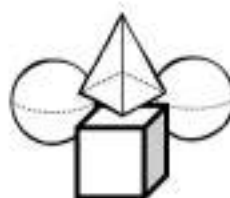
Possible Impossible



Possible Impossible

Name: _____

Circle whether the picture is possible to make or not.



Possible Impossible



Possible Impossible

Real Life 2D Objects

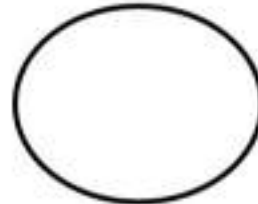
Directions

Circle the real-life object that resembles the 2D shape

1)



2)



3)



5)





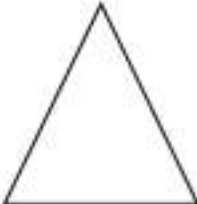
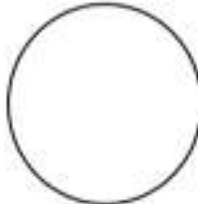



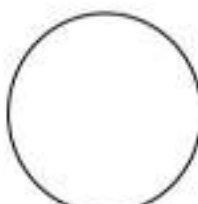

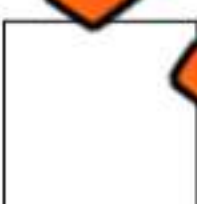










6)



2D Shapes Found in 3D Pictures

Directions

Circle the 2D shapes found in the 3D shape

3D Shape	2D Shape 1	2D Shape 2	2D Shape 3
			
			
			
			
			

Exit Cards

Cut Out

Cut out the exit cards below and have students complete them at the end of class

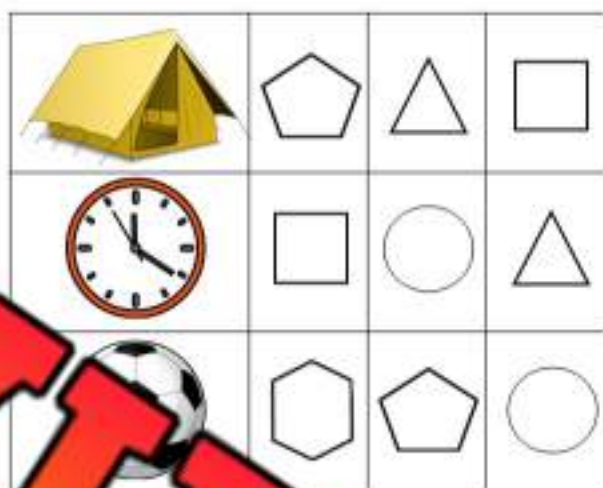
Name: _____

Circle the 2D shapes found in the 3D shape.



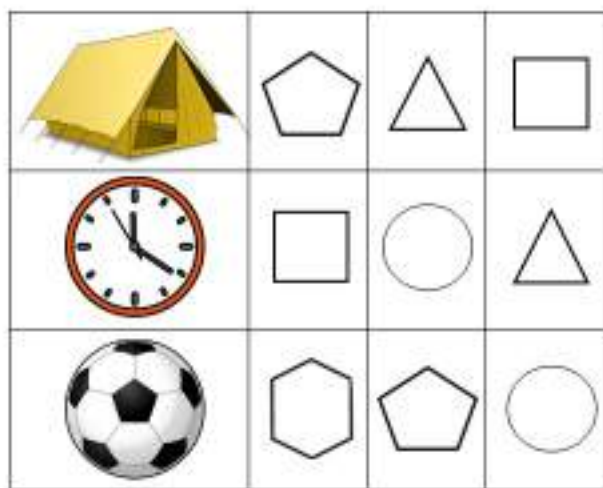
Name: _____

Circle the 2D shapes found in the 3D shape.



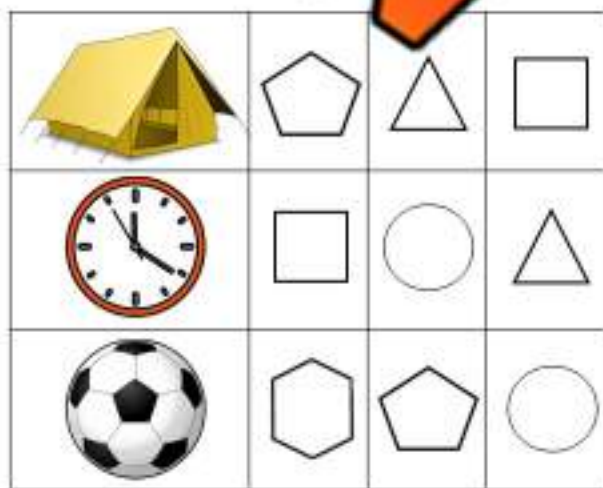
Name: _____

Circle the 2D shapes found in the 3D shape.



Name: _____

Circle the 2D shapes found in the 3D shape.

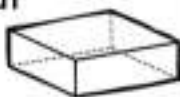


3D Shapes in The Real World

Directions

Cut and paste the 3D objects with their match

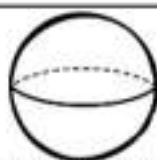
Rectangular
Prism



Triangular
Prism



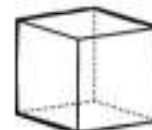
Sphere



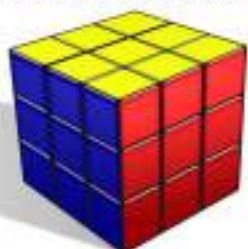
Cone



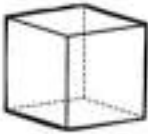


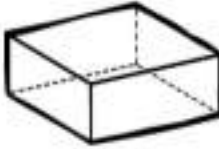

Cube



PREVIEW



3D Shapes – Colouring Activity

				
Blue	Green	Orange	Red	Purple
Cube	Cone	Sphere	Rectangular Prism	Cylinder

Instruct

Colour each picture the correct colour

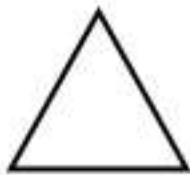


Unit Test – 3-D Objects and 2-D Shapes**Part 1**

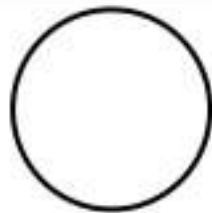
Sort the shapes into the correct categories

Round**Not Round****PREVIEW**

A



B



C



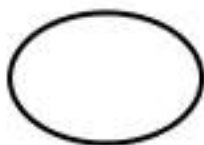
D



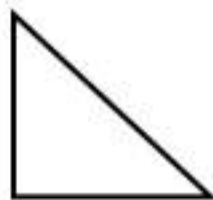
E



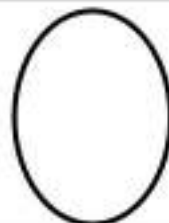
F



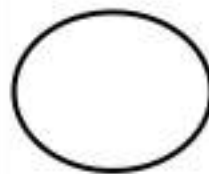
G



H



I



J



K



L

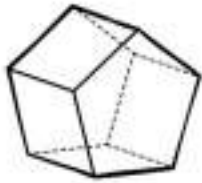
Part 2

Write the letter below each shape in the correct category

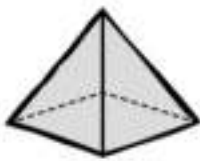
White

Shaded

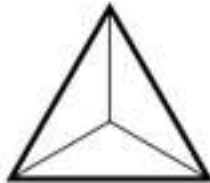
PREVIEW



A



B



C



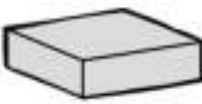
D



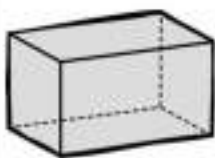
E



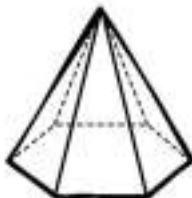
F



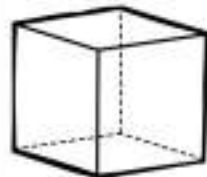
G



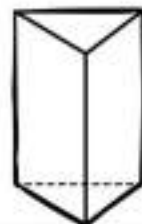
H



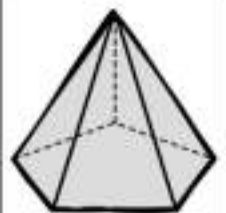
I



J



K

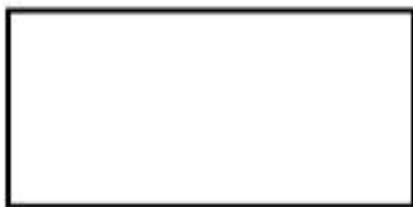


L

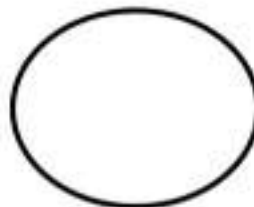
Part 3

Circle the real-life object that resembles the 2D shape

1)



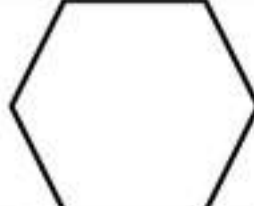
2)



3)



4)



Part 4

Circle the 2D shapes found in the 3D

Composite 3D Shape	2D Shape 1	2D Shape 2	2D Shape 3

Congruent Shapes

Questions

Circle whether the shapes are congruent or not

1)



congruent

not congruent

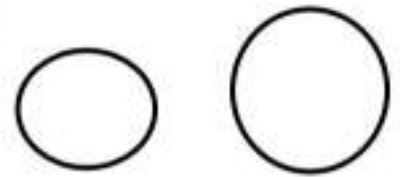
2)



congruent

not congruent

3)



congruent

not congruent

4)



congruent

not congruent

5)



congruent

not congruent

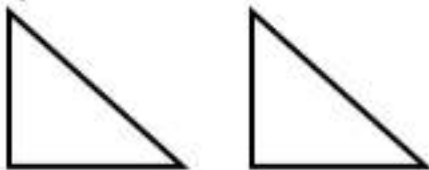
6)



congruent

not congruent

7)



congruent

not congruent

8)



congruent

not congruent

9)



congruent

not congruent

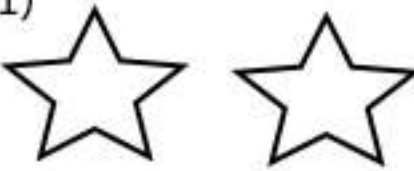
10)



congruent

not congruent

11)



congruent

not congruent

12)



congruent

not congruent

Congruent Shapes

Questions

Circle the congruent shape


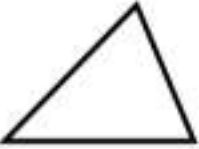
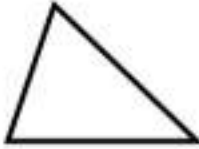
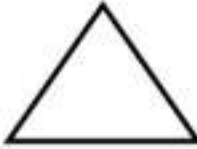


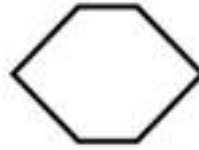
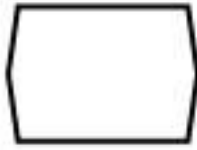




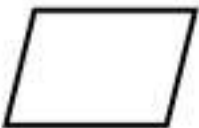



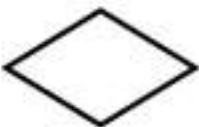
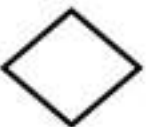





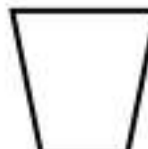
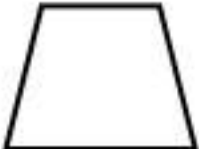
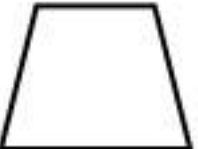


Congruent shapes have the same size and shape. This means that the side lengths and angles are the same.



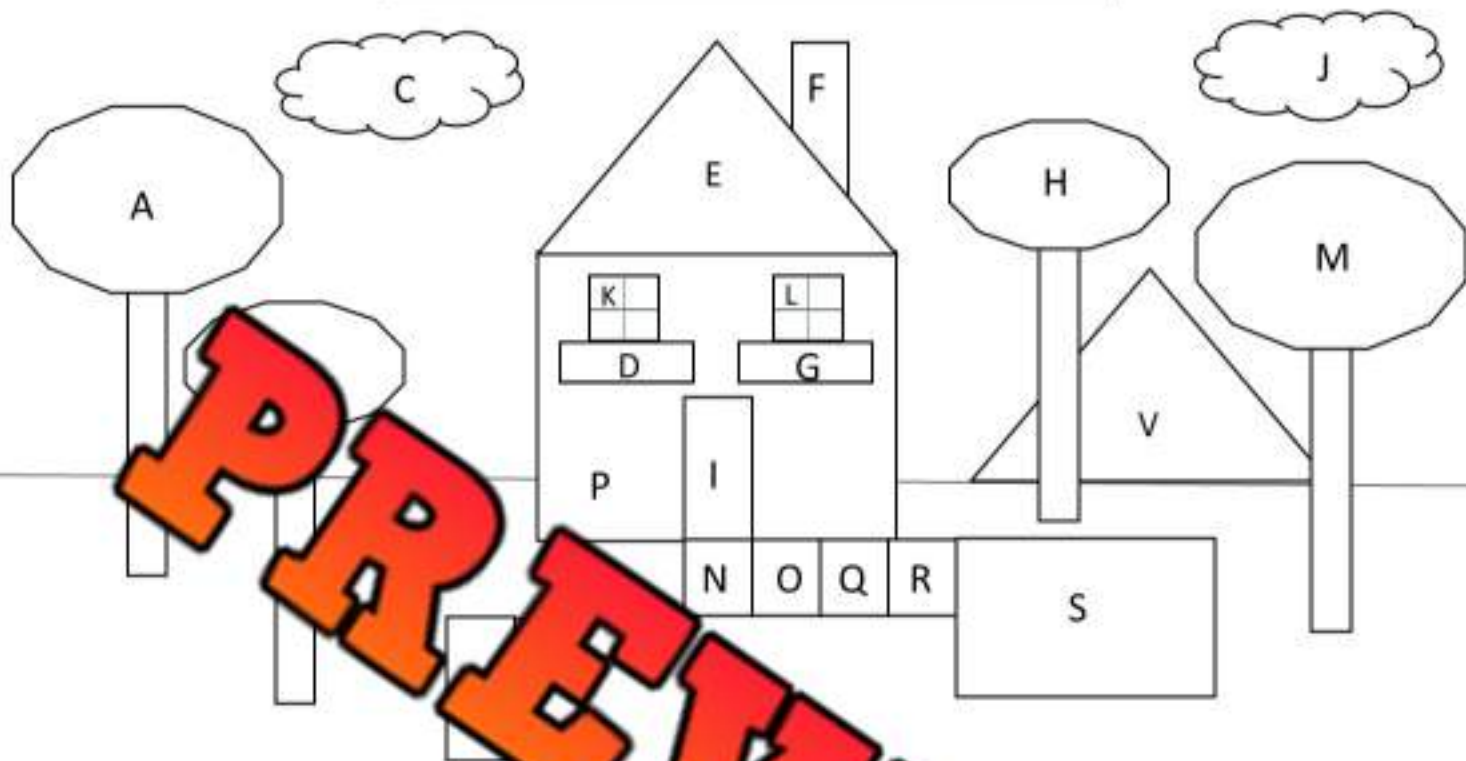
Congruent



Not congruent

1) 	a) 	b) 	c) 
2) 	a) 	b) 	c) 
3) 	a) 	b) 	c) 
4) 	a) 	b) 	c) 
5) 	a) 	b) 	c) 
6) 	a) 	b) 	c) 
7) 	a) 	b) 	c) 

The Congruent House



Questions

Answer the questions below by looking at the house above

- 1) Which shape is congruent to A?
- 2) Which shape is congruent to shape C?
- 3) Which shapes are congruent to shape N?
- 4) Which shape is congruent to shape B?
- 5) Which shape is congruent to shape E?
- 6) Which shapes are congruent to shape D?
- 7) Which shape is congruent to shape T?
- 8) Which shape is congruent to shape L?

Name: _____

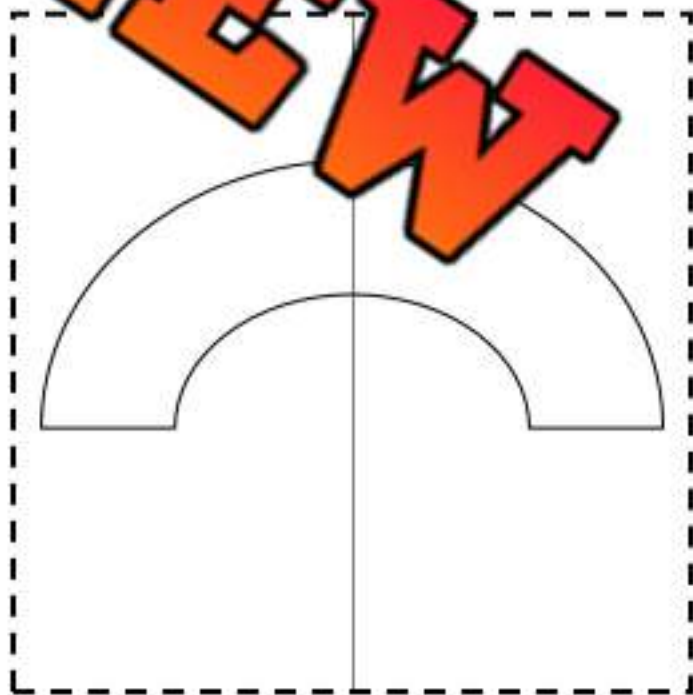
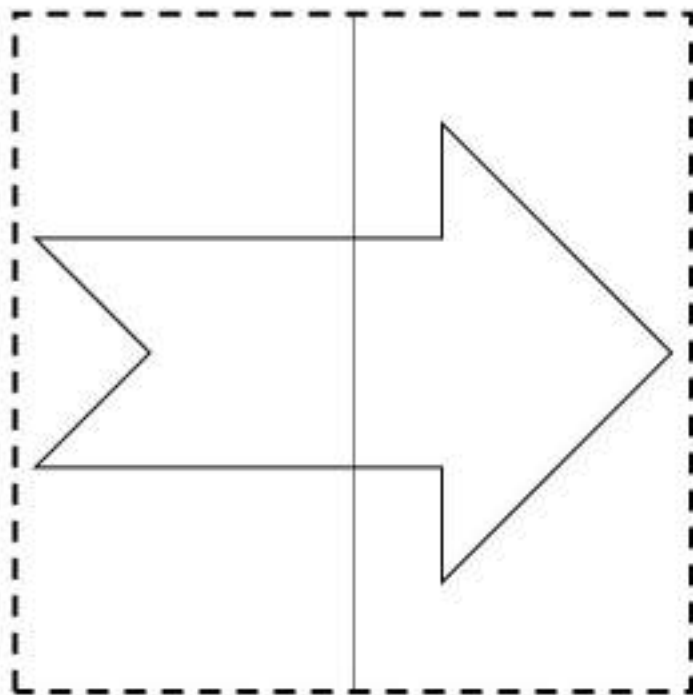
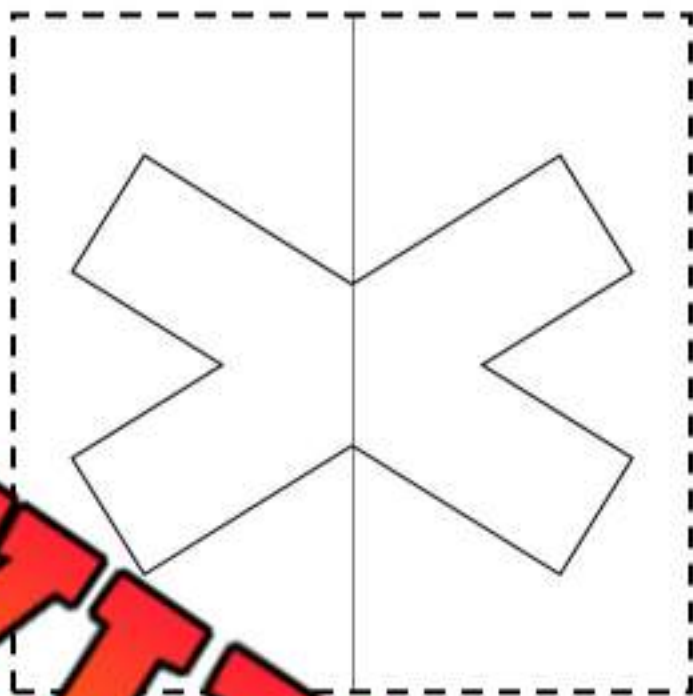
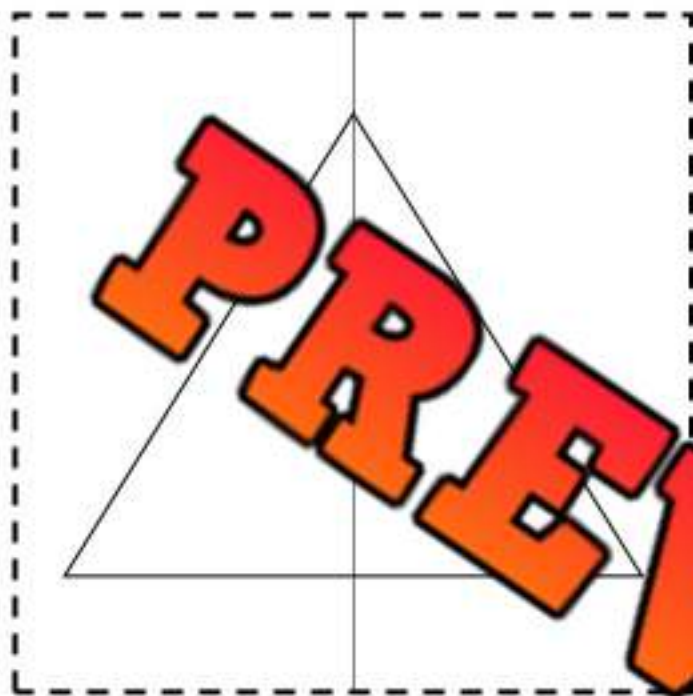
77

Curriculum Connection
G.1

Line of Symmetry - Folding

Directions

Cut out the box. Then fold it to see if the shape is symmetrical



PREVIEW

Name: _____

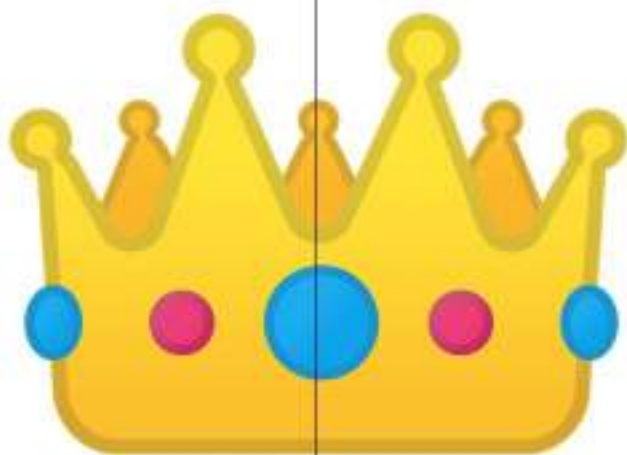
78

Curriculum Connection
G.1

Line of Symmetry - Folding

Directions

Cut out the box. Then fold it to see if the object is symmetrical



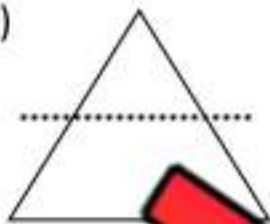
PREVIEW

Line of Symmetry

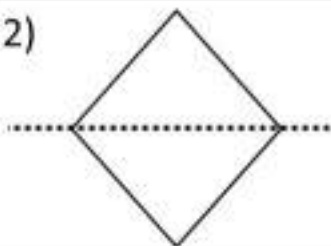
**Questions**

Are both sides of the shapes congruent? Write yes or no.

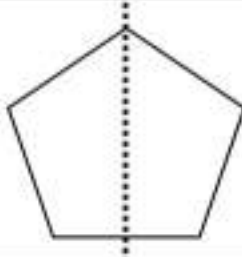
1)



2)



3)



4)



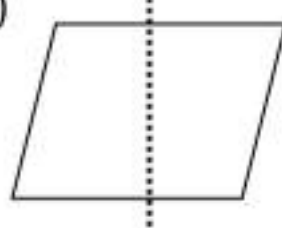
5)



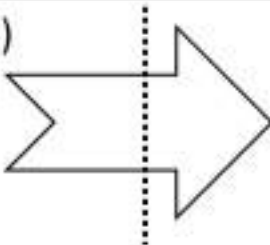
7)



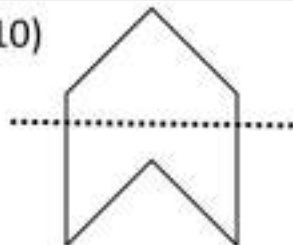
8)



9)



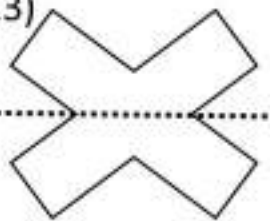
10)



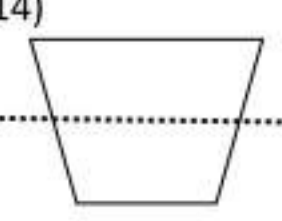
11)



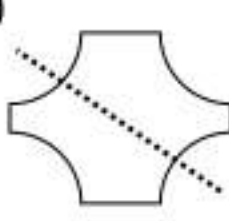
13)



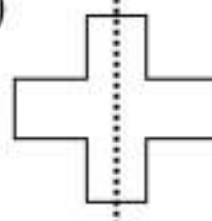
14)



15)



16)



PREVIEW

Drawing Lines of Symmetry

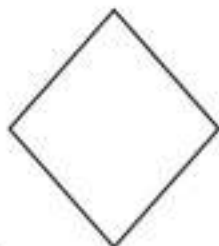
Questions

Draw a line of symmetry so you have 2 congruent halves

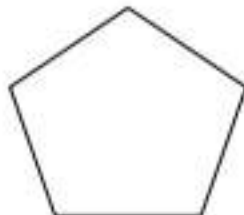
1)



2)



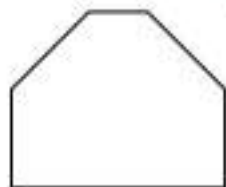
3)



4)



5)



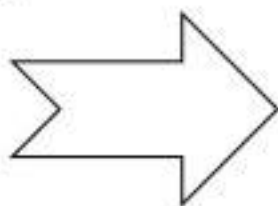
7)



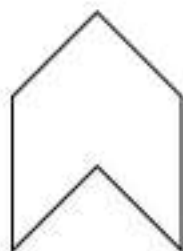
8)



9)



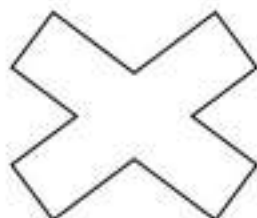
10)



11)



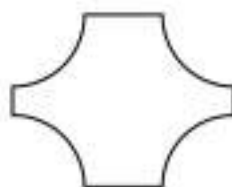
13)



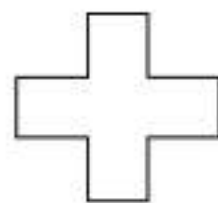
14)



15)



16)



Drawing Lines of Symmetry on Real-Life Objects**Questions**

Draw a line of symmetry so you have 2 congruent halves

1)



2)



3)



4)



5)



6)



8)



9)



10)



11)



12)



Drawing Mirror Image Using Line of Symmetry

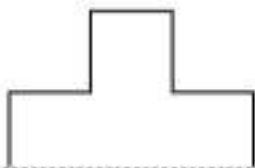
Questions

Draw the other side of the congruent shape

1)



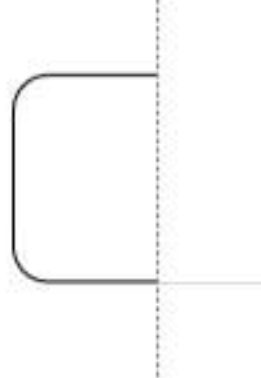
2)



3)



4)



5)



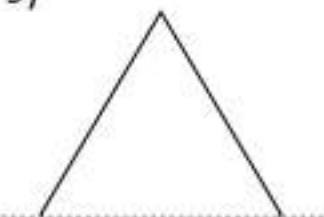
6)



8)



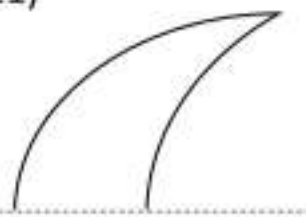
9)



10)



11)



12)



Drawing Real Objects Using Mirror Line

Questions

Draw the other side of the congruent shape

1)



2)



3)



4)



5)



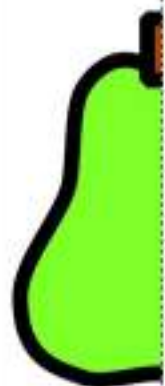
6)



8)



9)



10)



11)



12)



Geometry Test**Part 1**

Draw a line of symmetry so you have 2 congruent halves

1)



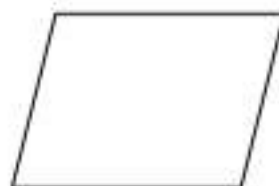
2)



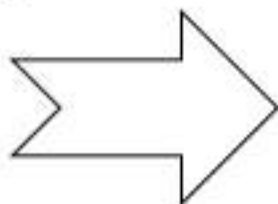
3)



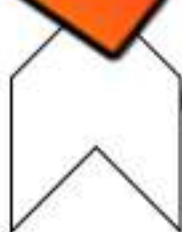
4)



5)



6)

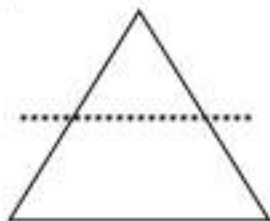


8)

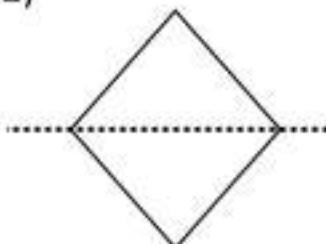
**Part 2**

Are both sides of the shapes congruent? Write

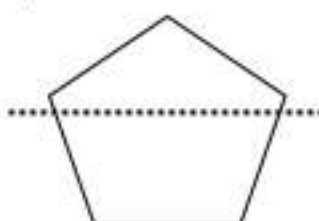
1)



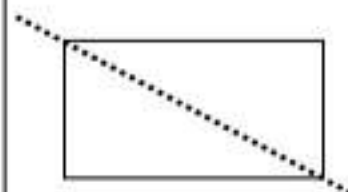
2)



3)



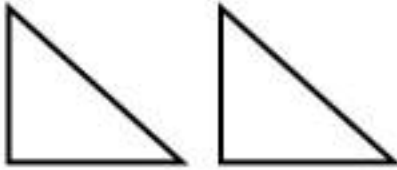
4)



Part 3

Circle whether the shapes are congruent or not

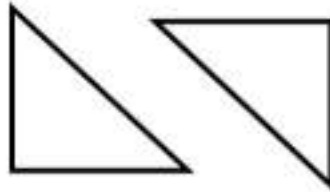
1)



congruent

not congruent

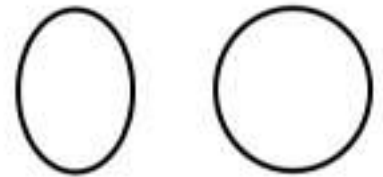
2)



congruent

not congruent

3)



congruent

not congruent

4)



congruent

not congruent

5)



congruent

not congruent

6)



congruent

not congruent

Part 4

Draw the other side of the line of symmetry

1)



2)



3)



4)



Grade 1 Measurement

	Curriculum Expectations	Pages That Cover the Expectations
M.1	<p>Students relate length to the understanding of measurement.</p> <p>Recognize the height, width, or depth of an object in various orientations.</p> <ul style="list-style-type: none">• Compare and order objects according to length.• Describe distance in terms of comparison.• Compare the length, area, or capacity of two objects directly or indirectly using a third object.• Order objects according to length, area, or capacity.	72 - 109

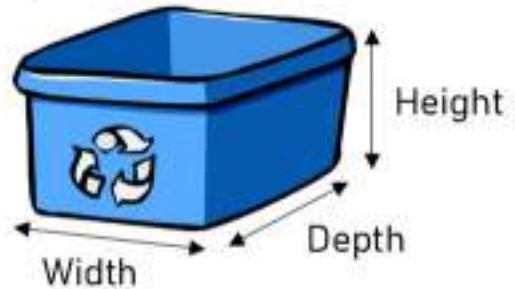
Length of Objects – Height, Width, Depth

Length is the distance between two points. Objects have three different lengths:

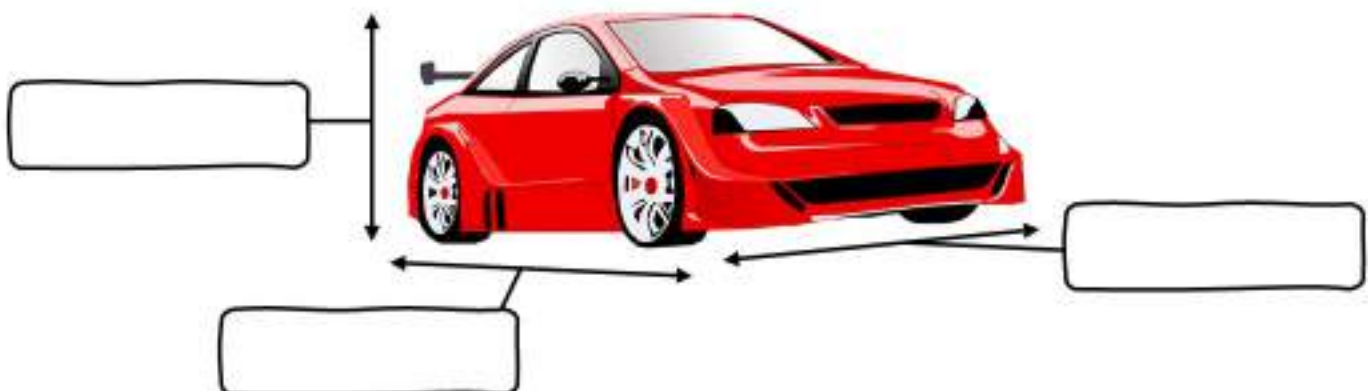
Height – how tall something is

Width – how wide something is

Depth – how deep something is



Question: Measure the height, width, and depth of the objects



Length of Objects – Taller

Part 1

Which object is taller?

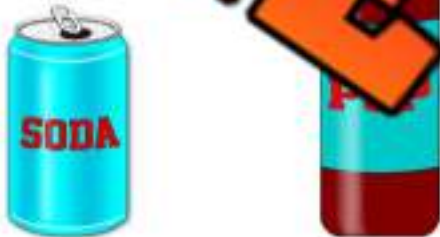
1)



2)



3)



4)



Part 2

Draw 3 tall objects you have seen in your life

--	--	--

Length of Objects – Wider

Part 1 Which object is wider?

1) 	2) 
3) 	4) 

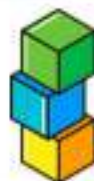
Part 2 Draw 3 wide objects you have seen in your life

--	--	--

Comparing Length – Shortest or Longest

Questions

Follow the instructions below. Use small blocks to help you compare



1) Colour the longest rectangle.

--	--	--

2) Colour the shortest rectangle.

--	--	--

3) Colour the longest rectangle.

--	--	--

4) Colour the shortest rectangle.

--	--	--

5) Colour the longest rectangle.

--	--	--

6) Colour the rectangle that is **not** the longest or the shortest.

--	--	--

7) Colour the longest rectangle.

--	--	--

8) Colour the rectangle that is **not** the longest or the shortest.

--	--	--

PREVIEW


Exit Cards

Cut Out

Cut out the exit cards below and have students complete them at the end of class

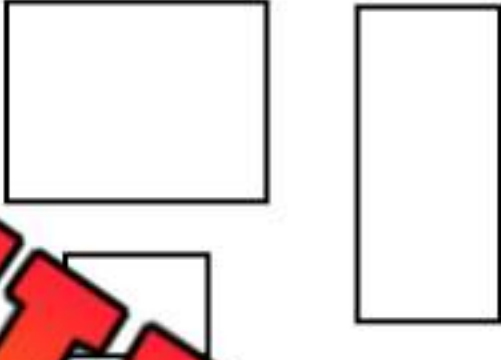
Name: _____

Colour in the shortest shape. Put a circle around the tallest shape. Put a rectangle around the widest shape.



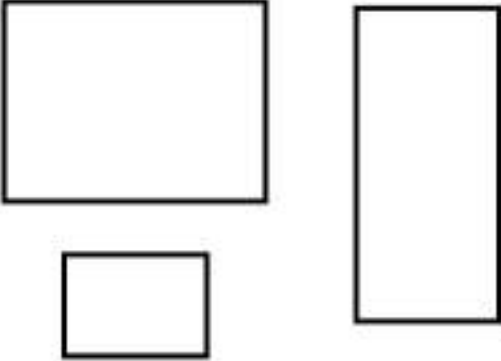
Name: _____

Colour in the shortest shape. Put a circle around the tallest shape. Put a rectangle around the widest shape.



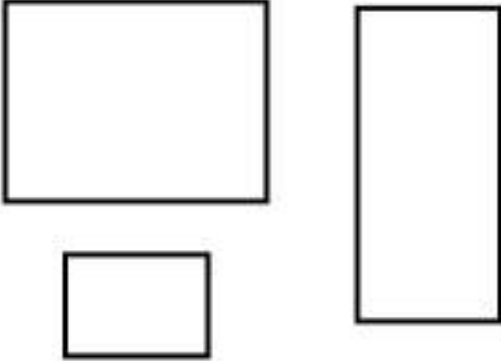
Name: _____

Colour in the shortest shape. Put a circle around the tallest shape. Put a rectangle around the widest shape.



Name: _____

Colour in the shortest shape. Put a circle around the tallest shape. Put a rectangle around the widest shape.



PREVIEW

Name: _____

95

Activity Title: Size Sorting Station

Objective

What are we learning about?

To help students understand the concepts of length, height, width, and depth by comparing common objects around the classroom.

Materials

What you will need for the activity.

- A variety of classroom items (e.g., pencils, books, shoes, boxes, erasers)
- Large labels for "Longer", "Shorter", "Wider", "Narrower", "Deeper", "Shallower".
- Coloured tape to make lines on the floor for sorting
- Paper and crayons for drawing



Instructions

How you will complete the activity

- 1) Start by explaining what height, width, and depth mean. Use your hands and arms to show longer and shorter, and stand to show wider and narrower.
- 2) Show the students the labels and explain each one with a classroom example, like how a pencil is longer than an eraser.
- 3) Show the students an object that has a medium width, depth, and height.
- 4) Give each student an object and ask them to place it in the area that describes it best **compared** to the object with medium characteristics you just showed them.
- 5) Allow the students to walk around and re-sort objects if they find a better fit.
- 6) Once all objects are sorted, gather the students and review why each object was placed in its specific area.
- 7) Discuss as a group how the objects compare to each other in different ways.

Reflection

Answer the questions below.

1) Can one object fit into two different categories? For example, can it be both taller and narrower than another object?

Yes

No

2) Draw an object that is wider than your desk.

3) Draw an object that is taller than your desk.

4) Draw an object that is deeper than a shoebox.

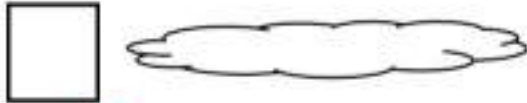
PREVIEW

Comparing Length – Shortest to Longest

Questions

Order the shapes from shortest (1) to longest (3)

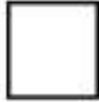
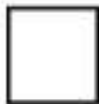
1)



2)



3)



4)



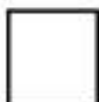
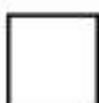
5)



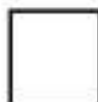
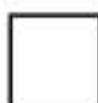
6)



7)



8)



Comparing Length – Shortest or Longest

Questions

Circle whether the object is the shortest or the longest

1) The car is the _____.



Shortest

Longest

2) The laptop is the _____.



Shortest

Longest

3) The couch is the _____.



Shortest

Longest

4) The soccer net is the _____.



Shortest

Longest

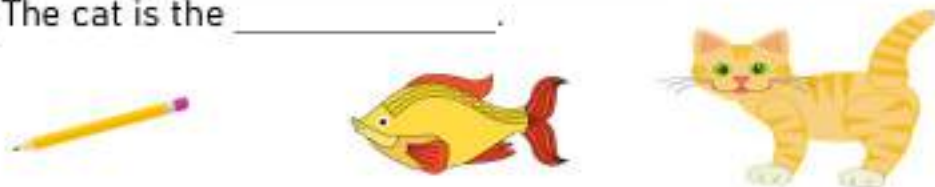
5) The paper is the _____.



Shortest

Longest

6) The cat is the _____.



Shortest

Longest

7) The dog is the _____.











Shortest

Longest







Comparative Language

Questions

Circle the relationship between column 1 and column 2

Column 1	Comparative Language Column 1 is ___ than Column 2	Column 2
	<p>longer than</p> <p>as long as</p> <p>not as long as</p>	
	<p>longer than</p> <p>as long as</p> <p>not as long as</p>	
	<p>longer than</p> <p>as long as</p> <p>not as long as</p>	
	<p>longer than</p> <p>as long as</p> <p>not as long as</p>	
	<p>longer than</p> <p>as long as</p> <p>not as long as</p>	
	<p>longer than</p> <p>as long as</p> <p>not as long as</p>	

Comparing Height – Tallest and Shortest

					
Elephant	Bear	Giraffe	Dog	Cat	Tiger







Question: _____ whether the object is shorter or taller

1) The elephant is _____	shorter than taller than
2) The bear is _____ the giraffe.	shorter than taller than
3) The giraffe is _____ all the other animals.	shorter than taller than
4) The dog is _____ the tiger.	shorter than taller than
5) The cat is _____ all the other animals.	shorter than taller than
6) The tiger is _____ the bear.	shorter than taller than
7) The bear is _____ the elephant.	shorter than taller than
8) The elephant is _____ the giraffe.	shorter than taller than

Comparing Height – Tallest and Shortest

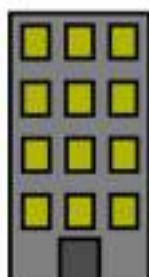





Part 1

Rank the animals from tallest (1) to shortest (6)

					
Elephant		Giraffe	Dog	Cat	Tiger







Part 2

Rank the buildings from tallest (1) to shortest (6)

Part 3

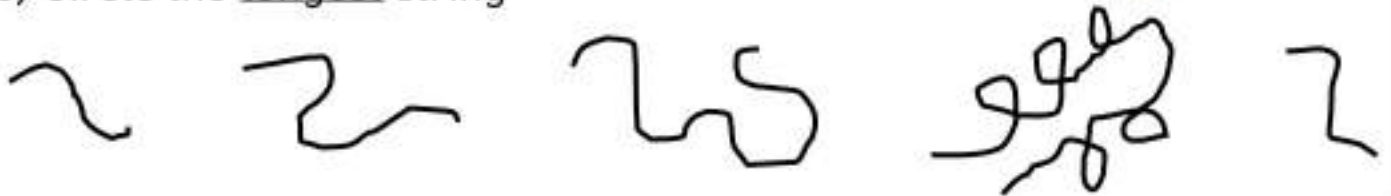
Rank the trees from tallest (1) to shortest (6)

Comparing Length – Curved String

**Questions**

Follow the instructions below

1) Circle the longest string2) Circle the shortest string3) Circle the longest string4) Circle the shortest string5) Circle the longest string6) Circle the shortest string

Name: _____

105

Activity: Yarn Length Challenge

Objective

What are we learning about?

Students will practice comparing lengths and learn about measurement through a fun and interactive activity.

Materials

What you will need for the activity.

- Enough yarn for a pair of students to have three different lengths.
- Scissors
- Rulers or measuring tapes
- Paper and pencils for recording



Instructions

How you will complete the activity.

- 1) Pair up the students and provide each student with a large roll of yarn.
- 2) Have one student in each pair cut their yarn into three different lengths.
- 3) The student who cut the yarn should then twist or curve the three pieces of yarn so that it is difficult to visually compare their lengths.
- 4) The partner will then try to determine which piece of yarn is the longest, which is the shortest, and which is in the middle in terms of length.
- 5) Once the partner has made their guesses, they will pull each piece of yarn straight and measure it using a ruler or measuring tape to verify their guesses.
- 6) Both students will then switch roles, repeating the process with new lengths of yarn.

Exit Cards

Cut Out

Cut out the exit cards below and have students complete them at the end of class

Name: _____

- 1) Circle the
- longest
- string.



- 2) Circle the
- shortest
- string.



- 3) Circle the
- longest
- string.



Name: _____

- 1) Circle the
- longest
- string.



- 2) Circle the
- shortest
- string.



- Circle the
- longest
- string.



Name: _____

- 1) Circle the
- longest
- string.



- 2) Circle the
- shortest
- string.



- 3) Circle the
- longest
- string.



Name: _____

- 1) Circle the
- longest
- string.



- 2) Circle the
- shortest
- string.



- 3) Circle the
- longest
- string.



Exit Cards

Cut Out

Cut out the exit cards below and have students complete them at the end of class

Name: _____

Circle yes if the sentence is correct and no if it is wrong.

If your pencil is taller than a crayon and shorter than your marker, can the crayon be taller than the marker?

Yes

No

Name: _____

Circle yes if the sentence is correct and no if it is wrong.

If your pencil is taller than a crayon and shorter than your marker, can the crayon be taller than the marker?

Yes

No

Name: _____

Circle yes if the sentence is correct and no if it is wrong.

If your pencil is taller than a crayon and shorter than your marker, can the crayon be taller than the marker?

Yes

No

Name: _____

Circle yes if the sentence is correct and no if it is wrong.

If your pencil is taller than a crayon and shorter than your marker, can the crayon be taller than the marker?

Yes


No

Comparing Length – Scavenger Hunt

Questions

Find objects in your class that are shorter/longer than your pencil



Shorter	Longer
	

PREVIEW

Which Container Holds More?

Questions

Circle the container that holds the most

1)



VS



2)



VS



3)



4)



VS



5)



VS



6)



7)



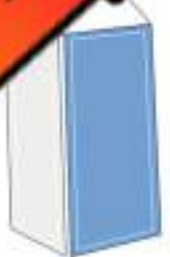
VS



8)



VS



9)



VS



10)



VS



Comparing Capacity – Most or Least

Questions

Circle whether the container holds the most or the least

1) The bucket holds the _____.



Most
Least

2) The bowl holds the _____.



Most
Least

3) The baby bottle holds the _____.



Most
Least

4) The cup holds the _____.



Most
Least

5) The gas can hold the _____.



Most
Least

6) The wheelbarrow holds the _____.



Most
Least

7) The pool holds the _____.



Most
Least

Comparing Capacity – Least to Most

Questions

Order the capacity of the containers from least (1) to most (3)

1)



2)



3)



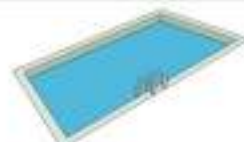
4)



5)



6)



7)



8)



9)









Comparative Language

Questions

Circle the relationship between column 1 and column 2

Column 1	Comparative Language Column 1 holds ____ Column 2	Column 2
	more than less than the same amount as	
	more than less than the same amount as	
	more than less than the same amount as	
	more than less than the same amount as	
	more than less than the same amount as	
	more than less than the same amount as	

Comparing Capacity – More Than, Less Than

					
Bucket	Dog Bowl	Cup	Pool	Bottle	Spoon

Questions: Write whether the container holds more or less

1) The bucket holds _____ the spoon.	more than less than
2) The cup holds _____ the spoon.	more than less than
3) The dog bowl holds _____ the cup.	more than less than
4) The pool holds _____ all the other containers.	more than less than
5) The bottle holds _____ the bucket.	more than less than
6) The spoon holds _____ all the other containers.	more than less than
7) The cup holds _____ the bottle.	more than less than
8) The bucket holds _____ the spoon.	more than less than

Exit Cards

Cut Out

Cut out the exit cards below and have students complete them at the end of class

Name: _____

Circle whether the container holds more or less.



The shoulder bag holds _____ the pencil case.	More than Less than
The backpack holds _____ the luggage.	More than Less than
The luggage holds _____ all the other bags.	More than Less than
The pencil case holds _____ all the other bags.	More than Less than

Name: _____

Circle whether the container holds more or less.



The shoulder bag holds _____ the pencil case.	More than Less than
The backpack holds _____ the luggage.	More than Less than
The luggage holds _____ all the other bags.	More than Less than
The pencil case holds _____ all the other bags.	More than Less than

Name: _____

Circle whether the container holds more or less.



The shoulder bag holds _____ the pencil case.	More than Less than
The backpack holds _____ the luggage.	More than Less than
The luggage holds _____ all the other bags.	More than Less than
The pencil case holds _____ all the other bags.	More than Less than

Name: _____

Circle whether the container holds more or less.



The shoulder bag holds _____ the pencil case.	More than Less than
The backpack holds _____ the luggage.	More than Less than
The luggage holds _____ all the other bags.	More than Less than
The pencil case holds _____ all the other bags.	More than Less than

Comparing Capacity – Most to Least

Part 1 Rank the capacity of the containers from most (1) to least (6)

Part 2 Rank the capacity of the containers from most (1) to least (6)

Part 3 Rank the capacity of the containers from most (1) to least (6)

Comparing Capacity – Yes/No

Questions

Circle yes if the sentence is correct and no if it is wrong

1) My bottle holds more than a bathtub.	Yes	No
2) A toilet holds more than a spoon.	Yes	No
3) A juice bottle holds as much as a water bottle.	Yes	No
4) My pencil case holds less than a backpack.	Yes	No
5) My classroom holds less than the gym.	Yes	No
6) An elevator holds more than a classroom.	Yes	No
7) A bag of chips holds as much as a bucket of water.	Yes	No
8) A pop can holds less than a wheelbarrow.	Yes	No
9) My desk holds more than my shoe.	Yes	No
10) A pool holds less than a hot tub.	Yes	No

Activity Title: 4-Corners Capacity Game

Objective What are we learning about?

Students will learn to compare and estimate the capacities of various containers through an interactive activity.

Materials What you will need for the activity.

- A list of comparison questions
- Labels for each corner (A, B, C, D)



Instructions How you will complete the activity.

1. Prepare the classroom by labelling each corner with A, B, C, and D.
2. Explain to the students that you will read out questions related to the capacity of different containers, and each question will have four options.
3. When you read a question, students will move to the corner that corresponds to the answer they think is correct.
4. Once all students have chosen their corners, reveal the correct answer and discuss why it is correct.
5. Repeat with different questions to reinforce their understanding of capacity.

Name: _____

Question	A	B	C	D
Which of these containers can hold the most?	Hot tub	Swimming pool	Lunch box	Pencil case
Which of these can hold the least amount of water?	Bathtub	Coffee cup	Spoon	Fish tank
Which of these would hold the most soil?	Bucket	Wheelbarrow	Shovel	Handful
Which of these would hold the most hot chocolate?	Large pot	Mug	Small pot	Spoon
Which of these would hold the least amount of candy?	Snack box	Snack bag	Cereal box	Trash can
Which of these can hold the least amount of juice?	Water bottle	Teaspoon	Pitcher	
Which of these containers can hold the most coffee?	Bathtub	Spoon	Juice box	
Which of these would hold the most toys?	Toy chest	Pencil case	Backpack	
Which of these can hold the most water?	Bucket	Spoon	Plate	Bottle
Which of these containers can hold the least?	Swimming pool	Aquarium	Bathtub	Watering can
Which of these can hold the most soup?	Large pot	Small bowl	Teacup	Spoon
Which of these containers would hold the most cookies?	Large jar	Plate	Small Paper bag	Lunch box

Capacity

Capacity is the amount a container can hold. We can use smaller containers to fill a larger container. It is important to not underfill or overflow when we are measuring the capacity of a container.



Example - 4 smaller paper cups fill the larger cup

Directions: How many of the smaller things will fit into the larger container



x _____



x _____



x _____



x _____



x _____



x _____



x _____



x _____



Area

Area is how much space is taken up by a 2D shape. The area of your table or desk is how large the surface is. Does your teacher's desk have more or less area than your desk?



Instructions

Circle which surface has more area

1)



VS

2)



VS



3)



VS



4)



5)



VS



6)



VS



7)



VS



8)



VS

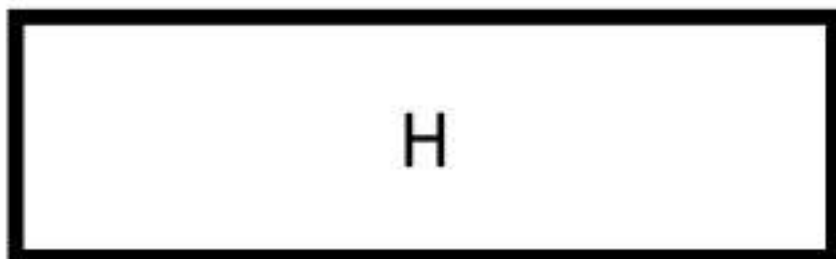
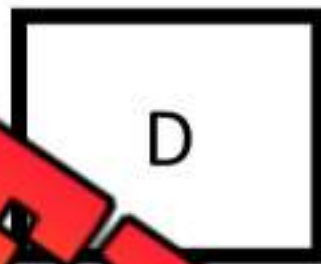


Area

We can compare the area of two shapes by covering one object with the other. If one object can't cover the other, it has less area.

Instructions

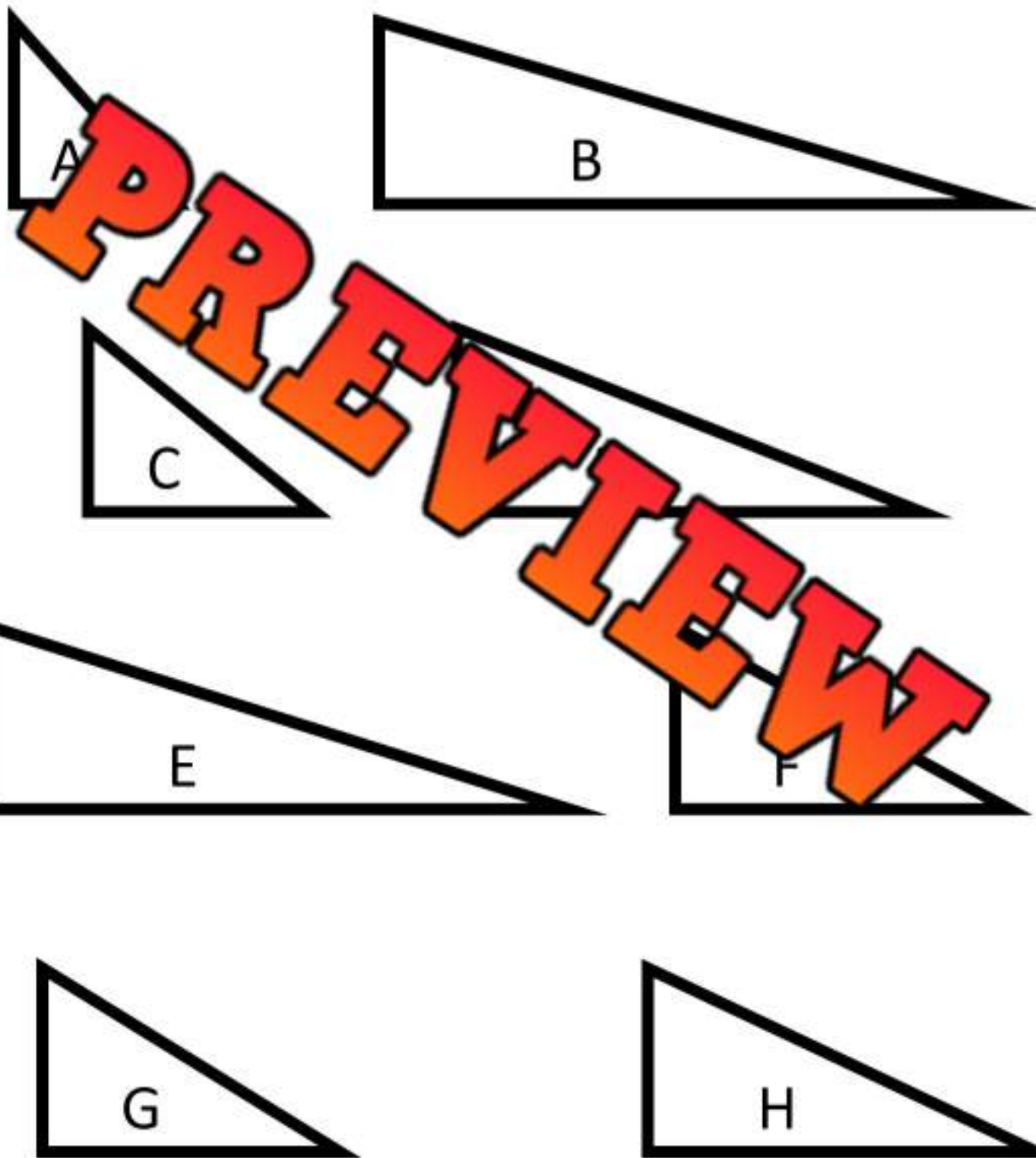
Cut the shapes out and cover other shapes to see which are larger



Area

Instructions

Cut the shapes out and cover other shapes to see which are larger

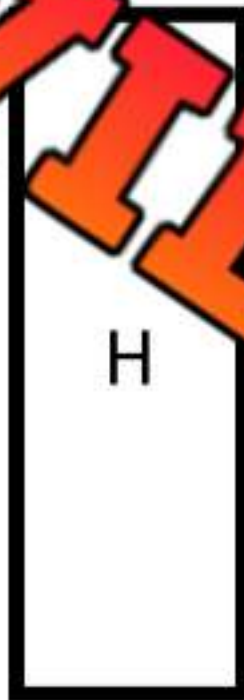
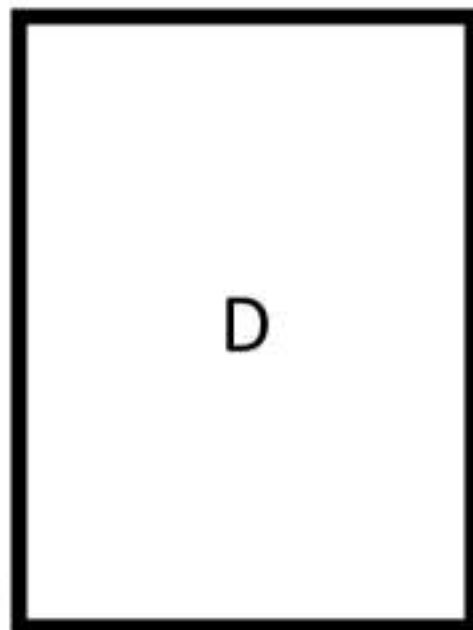
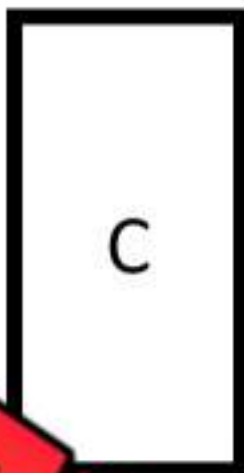


Name: _____

Area

Instructions

Cut A out and find out many times it fits into the other shapes



Shape	# of Times
E	
F	
G	
H	



Area

Questions

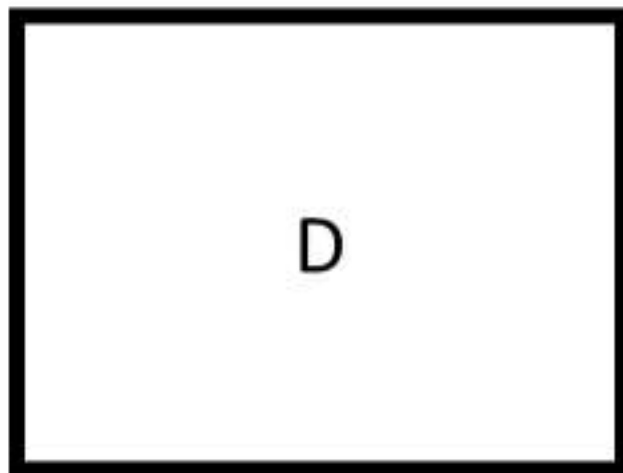
Cut A out and find out many times it fits into the other shapes



B



C



D



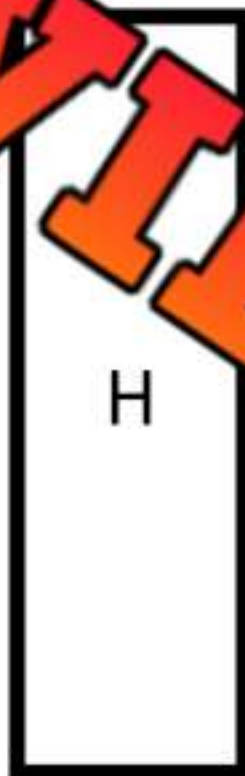
E



F



G



H

Shape	# of Times
B	
C	
D	
E	
F	
G	
H	



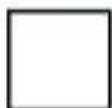
A

Comparing Area - Ordering

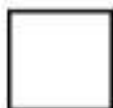
Questions

Order the area of the shapes from smallest (1) to largest (3)

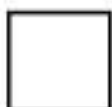
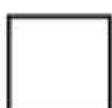
1)



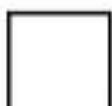
2)



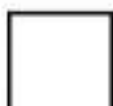
3)



5)



6)



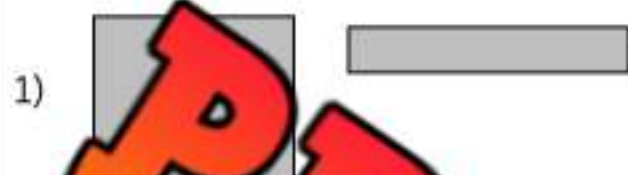
Exit Cards

Cut Out

Cut out the exit cards below and have students complete them at the end of class

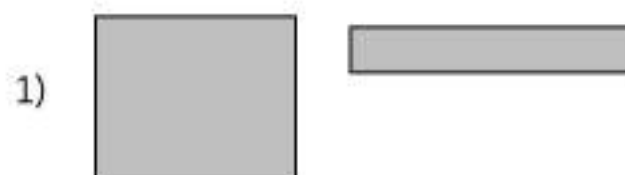
Name: _____

Circle the shape that has more area?



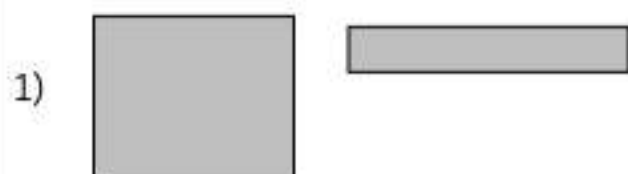
Name: _____

Circle the shape that has more area?



Name: _____

Circle the shape that has more area?



Name: _____











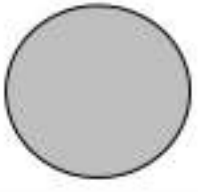
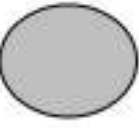
Circle the shape that has more area?



Comparative Language

Questions



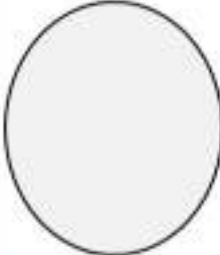


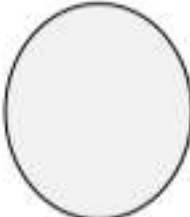
Circle the relationship between column 1 and column 2

Column 1	Comparative Language Column 1 has ____ Column 2	Column 2
	a <u>larger area than</u> a <u>smaller area than</u> the same area as	
	a <u>larger area than</u> a <u>smaller area than</u> the same area as	
	a <u>larger area than</u> a <u>smaller area than</u> the same area as	
	a <u>larger area than</u> a <u>smaller area than</u> the same area as	
	a <u>larger area than</u> a <u>smaller area than</u> the same area as	
	a <u>larger area than</u> a <u>smaller area than</u> the same area as	

Comparing Area – Largest to Smallest






Part 1

Order the area of the circles from largest (1) to smallest (6)







Part 2

Order the area of the rectangles from largest (1) to smallest (6)

Part 3

Order the area of the triangles from largest (1) to smallest (6)

Area Riddles

Instructions

Read each riddle and draw what you are picturing. Then circle the answer.

Riddle	Draw	Answer
The circle is bigger than the triangle . The square is bigger than the circle . Which shape is the biggest?		A) Triangle B) Circle C) Square
The oval is bigger than the triangle . The rectangle is the smallest shape. Which shape is the biggest?		A) Triangle B) Oval C) Rectangle
The square is bigger than the star . The circle is bigger than the square . Which shape is the biggest?		A) Star B) Square C) Circle
The heart is smaller than the square . The triangle is the smallest shape. Which shape is the biggest?		A) Triangle B) Heart C) Square
The triangle is the smallest shape. The circle is bigger than the rectangle . Which shape is the biggest?		A) Triangle B) Circle C) Rectangle
The star is the smallest shape. The heart is smaller than the rectangle . Which shape is the biggest?		A) Star B) Heart C) Rectangle

Measurement Unit Test

Part 1

Follow the instructions below

1) Colour the longest rectangle



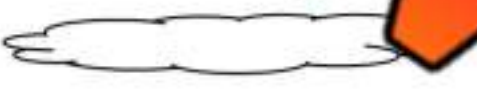
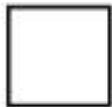
2) Colour the shortest rectangle



Part 2


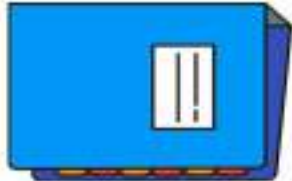


Order the shapes from shortest (1) to longest (3)

1)



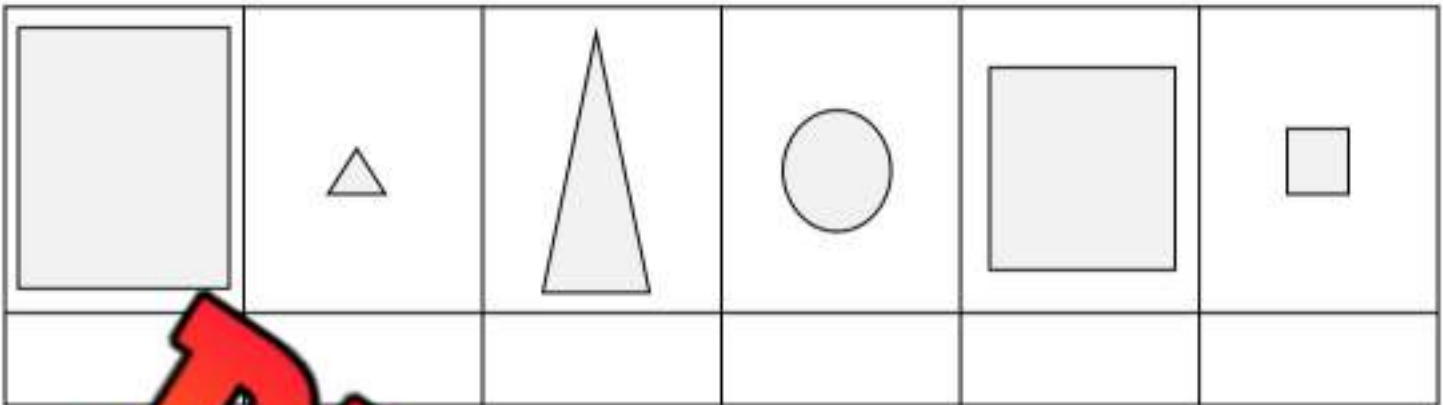
Part 3

Circle the relationship between column 1 and column 2

Column 1	Comparative Language Column 1 is ___ Column 2	Column 2
	<p>longer than</p> <p>as long as</p> <p>not as long as</p>	
	<p>longer than</p> <p>as long as</p> <p>not as long as</p>	

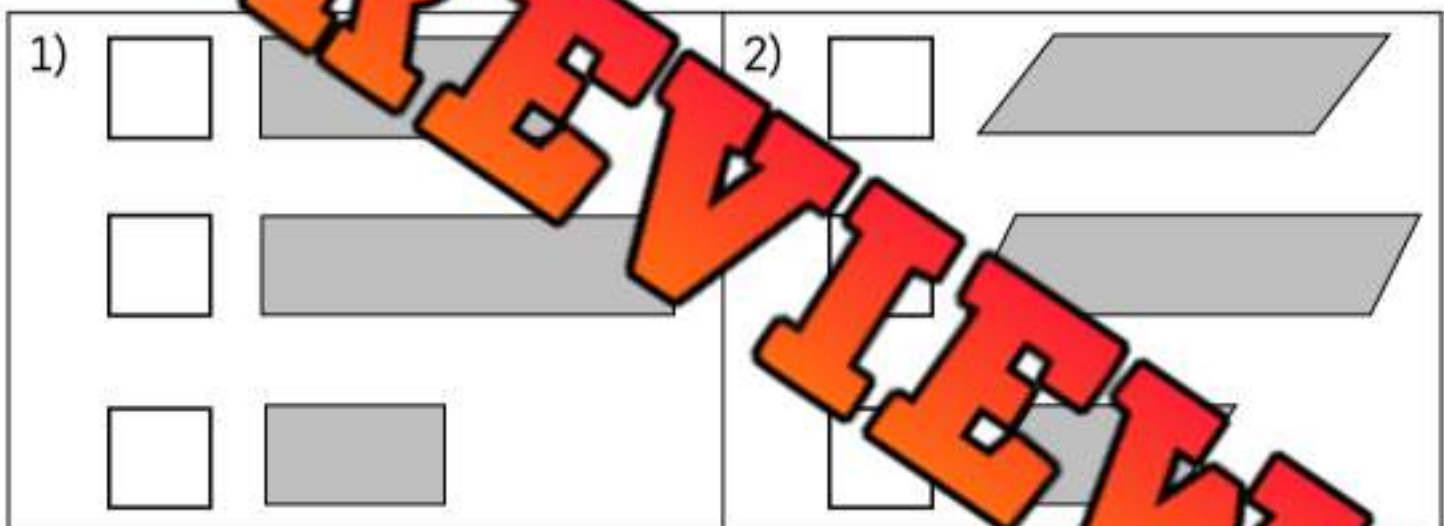
Part 4

Order the area of the shapes from largest (1) to smallest (6)



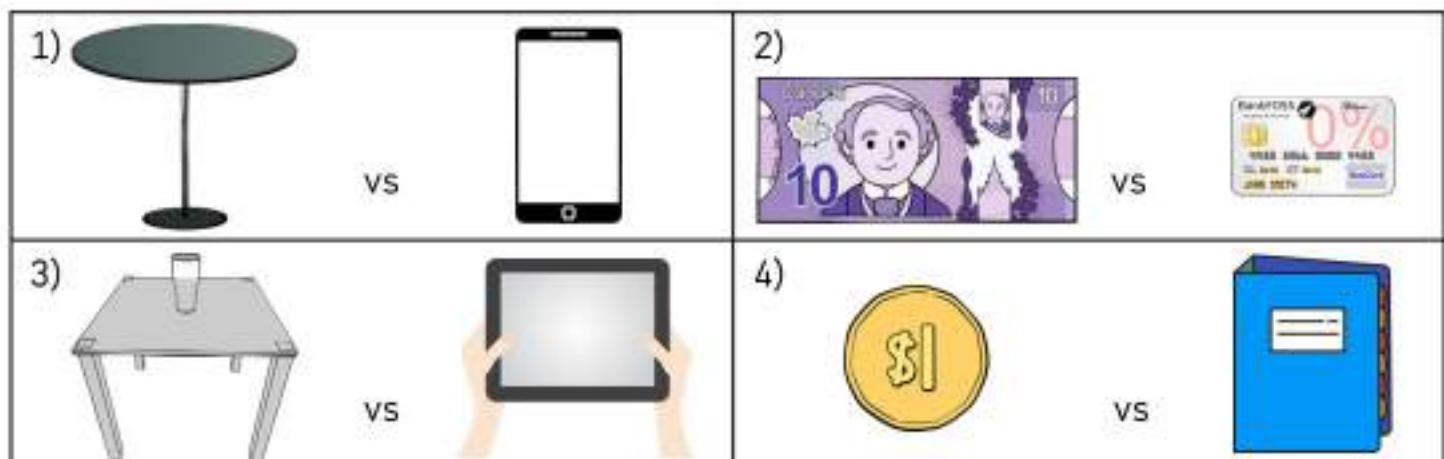
Part 5

Order the area of the shapes from smallest (1) to largest (3)











Part 6

Circle which surface has more area








Part 7

Circle the container that holds the most

1)  vs 	2)  vs 
3)  vs 	4)  vs 








Part 8

Circle the container that holds the most or the least

1) The bucket holds the _____  	Most Least
2) The can holds the _____   	Most

Part 9

Order the capacity of the containers from least (1) to most (3)

1) <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> 	2) <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> 	3) <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> 
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