



Preview – Information



Thank you for your interest in this product. Within this preview, you will see:

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Google Slides Lessons Preview





Manitoba 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:

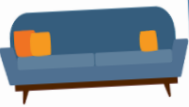
- I wonder why some objects are easier to measure than others.
- I wonder if I can measure the playground equipment the same way I did in class.



Manitoba Math Curriculum Shape & Space – Grade 1

Mass

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

Order from heaviest to lightest.

 	 	
--	--	--

3) Order the fruits from heaviest to lightest.

 	 	
--	--	--

4) Order the kitchen items from heaviest to lightest.

 	 	
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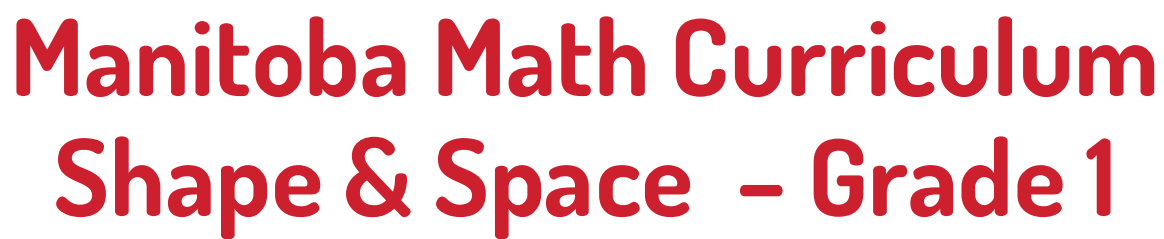
Order the animals from heaviest (1) to lightest (6).

 	 	 	 	 	
--	--	--	--	--	--








[illegible]



Workbook Preview



Comparing Length - Shortest or Longest

Questions

Follow the instructions below

1) Colour the longest rectangle

2) Colour the shortest rectangle

3) Colour the longest rectangle

4)

Preview of 40 pages from this
product that contains 132 pages
total.

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

Comparing Length - Shortest to Longest

Questions

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

1)



2)



3)



4)



5)



6)



7)

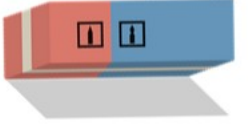
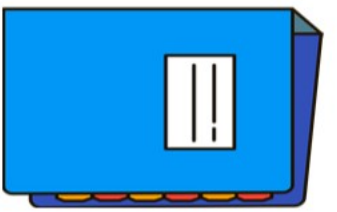
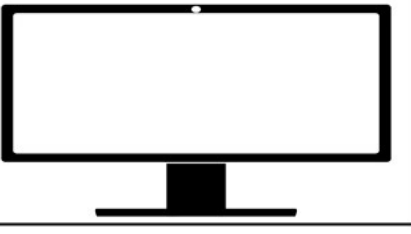


8)



Comparative Language

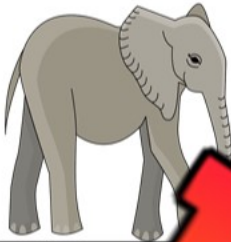
Questions Circle the relationship between column 1 and column 2

Column 1	Comparative Language Column 1 is ____ than Column 2	Column 2
	longer than as long as not as long as	
	longer than as long as not as long as	
	longer than as long as not as long as	
	longer than as long as not as long as	
	longer than as long as not as long as	
	longer than as long as not as long as	

Comparing Height - Tallest and Shortest

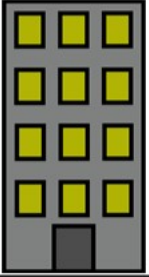
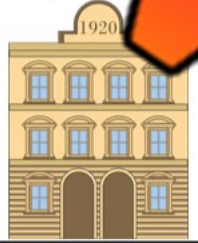
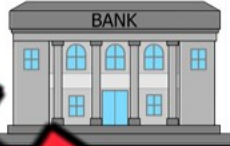
Part 1

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

					
Eleph		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 - Yes/No

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

1) My foot is longer than my pencil	Yes	No
2) The door is taller than the whiteboard	Yes	No
3) My fingers are longer than my arm	Yes	No
4) A pencil is as long as a paper crayon	Yes	No
5) A crayon is the same length as a paper	Yes	No
6) A water bottle is shorter than a paper	Yes	No
7) I am the same height as my teacher	Yes	No
8) My teacher is the tallest in the class	Yes	No
9) My height is the same height as my friend	Yes	No
10) My foot is a different length than my friends	Yes	No

Name: _____

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Curriculum Connection
SS.1

Comparing Length - Scavenger Hunt

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



Shorter

Longer



PREVIEW

Which Object Has More Mass?

Mass is the amount of matter in an object. Objects with more mass have more weight. But, weight depends on where the object is and mass is always the same.

Example - We weigh very little on the moon because gravity isn't as strong, but our mass is the same.

Questions Circle which object you think has more mass

1)



2)



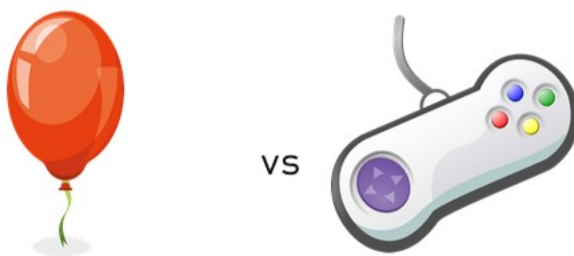
3)



4)



5)



6)



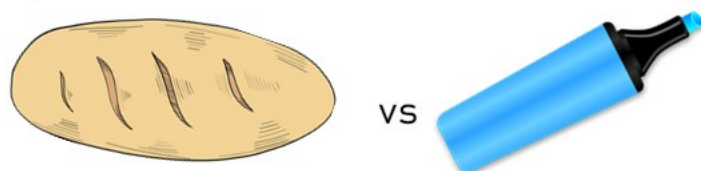
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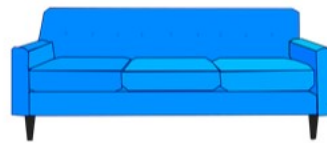
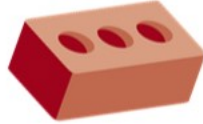


Comparing Mass - Heavy and Light

Questions

Circle whether the object is heaviest or lightest

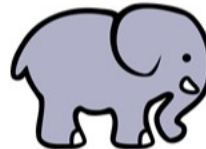
1) The chocolate bar is the _____.



Heaviest

Lightest

2) The shoe is the _____.



Heaviest

Lightest

3) The TV is the _____.



Heaviest

Lightest

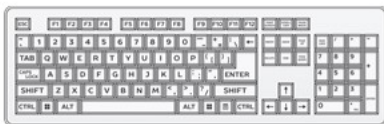
4) The boot is the _____.



Heaviest

Lightest

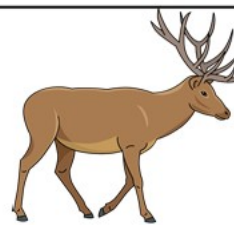
5) The car is the _____.



Heaviest

Lightest

6) The deer is the _____.



Heaviest

Lightest

7) The pencil sharpener is the _____.



Heaviest

Lightest

Comparing Mass - Ordering Vehicles

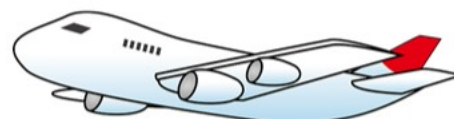
Questions

Order the vehicles from heaviest (1) to lightest (3)

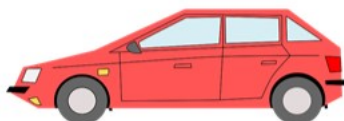
1)



2)



3)



4)



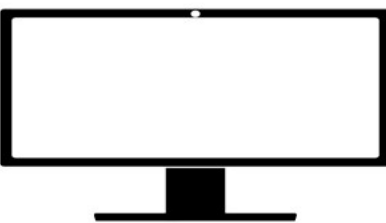
5)



Comparative Language

Questions

Circle the relationship between column 1 and column 2

Column 1	Comparative Language Column 1 is ____ Column 2	Column 2
	lighter than heavier than the same weight as	
	lighter than heavier than the same weight as	
	lighter than heavier than the same weight as	
	lighter than heavier than the same weight as	
	lighter than heavier than the same weight as	
	lighter than heavier than the same weight as	

Comparing Weight - Baseball

					
Ball	Bat	Player	Stadium	Glove	Cap

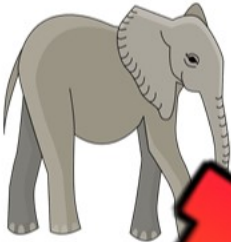
Question Circle whether the object is the shortest or the longest

1) The ball is _____ the bat	heavier than lighter than
2) The player is _____ the glove	heavier than lighter than
3) The stadium is _____ all the other things	heavier than lighter than
4) The bat is _____ the player	heavier than lighter than
5) The cap is _____ all the other things	heavier than lighter than
6) The glove is _____ the ball	heavier than lighter than
7) The player is _____ the cap	heavier than lighter than
8) The stadium is _____ the ball	heavier than lighter than

Comparing Weight - Ordering Heaviest to Lightest

Part 1

Rank the animals from heaviest (1) to lightest (6)

					
Elephant	Bear	Mouse	Dog	Cat	Tiger

Part 2

Rank the objects from heaviest (1) to lightest (6)

					
Car	Feather	Brick	Can	Boulder	Crayon

Part 3

Rank the vehicles from heaviest (1) to lightest (6)

					
Snowmobile	Plane	Car	Skateboard	Bike	ATV

Measuring Mass Activity

Background

What is a pan balance?

We can use a pan balance to measure the mass of an object. A **pan balance** allows us to compare the mass of one object to the mass of another object.

Materials

What do we need?

- Pan balance
- 12 objects of different masses
- Recording Sheet

Method

How do we do the experiment?

1. Fill out the table below with the objects you will compare
2. Put object 1 on one side of the pan balance and object 2 on the other
3. Circle which object is heavier

Observations

Which object was heavier?

Object 1	Object 2	Heavier (1 or 2)
		2
		1 2
		1 2
		1 2
		1 2

Which Container Holds More?

Questions

Circle the container that holds the most

1)



VS



2)



VS



3)



4)



VS



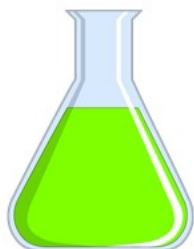
5)



VS



7)



VS



8)



VS



9)



VS



10)



VS



Comparing Capacity - Least to Most

Questions

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

1)



2)



3)



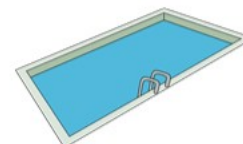
4)



5)



6)



7)



8)



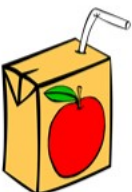
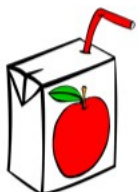
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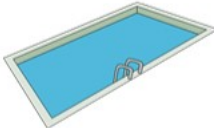
Comparative Language

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

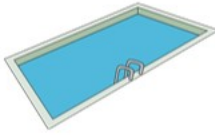
					
Bucket	Dog Bowl	Cup	Pool	Bottle	Spoon

Question: Circle whether the container holds more or less

1) The bucket holds _____ the cup	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

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)

Name: _____

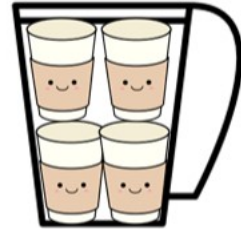
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Capacity

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 overfill when we are measuring the capacity of a container.

Example – 4 smaller paper cups fill the larger cup



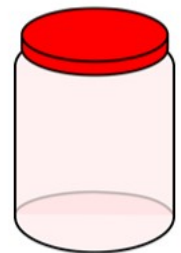
Question Estimate how many of the smaller things will fit into the larger cup



x _____



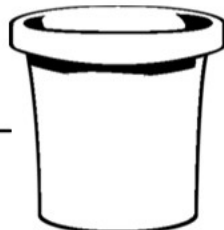
x _____



x _____



x _____



x _____



x _____



x _____



Measuring Capacity Activity

Research Question

How many cups will fill the larger bowl?

We can find out the capacity of a container by filling it to the top. We need to make sure we do not overfill or underfill the container.



Material

What do we need?

- One large bowl
- 1 small cup
- Rice and, or, marbles (enough to fill the bowl)
- Water (enough to fill the bowl)
- Large container to do the experiment in to avoid a mess (optional)

Method

How do we do the experiment?

1. Write your hypothesis below.
2. Fill up the smaller cup with water and pour it into the larger bowl
3. Do this until the container is full.
4. Record how many cups of water fit into the bowl (this is the bowl's capacity)
5. Repeat steps 2-4 using the other material (rice, marbles)
6. Answer the questions

Hypothesis

What do you estimate will happen?

1. How many cups of water will fit into the bowl? _____
2. How many cups of _____ (sand, rice, marbles) will fit into the bowl? _____

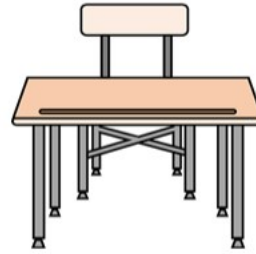
Observations

What happened?

1. How many cups of water fit into the bowl? _____
2. How many cups of _____ (sand, rice, marbles) fit into the bowl? _____

Area

Area is how much space is taken up by one side of 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?



Question

Circle which surface has more area

1)



2)



VS



3)



VS



6)



VS



5)



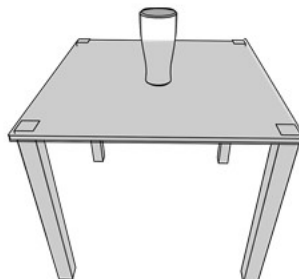
VS



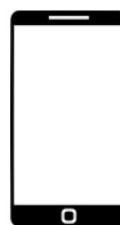
7)



VS



8)



VS



Name: _____

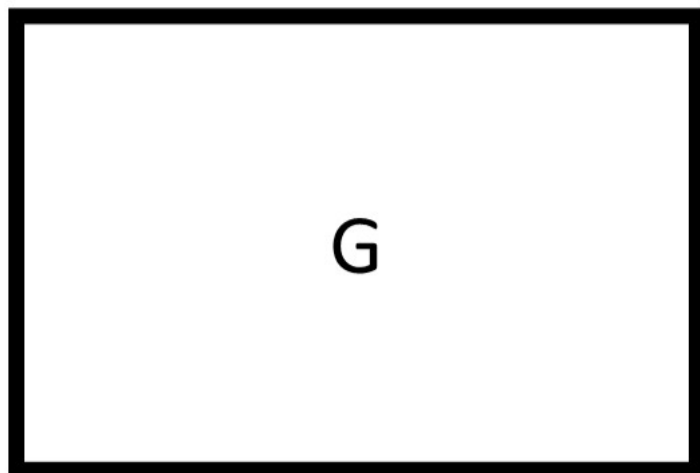
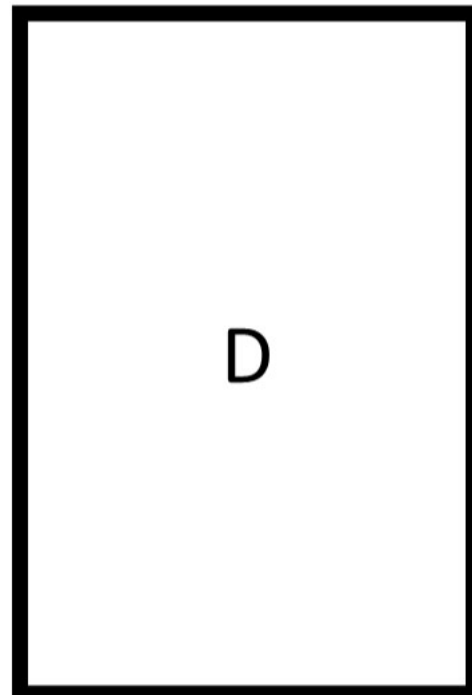
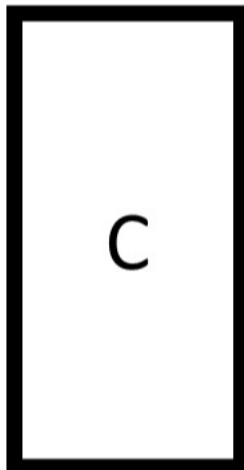
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Area

Questions

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



Shape	# of Times
B	
C	
D	
E	
F	
G	
H	

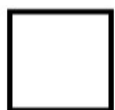


Comparing Area - Ordering

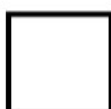
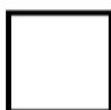
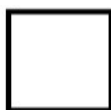
Questions

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

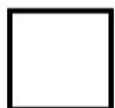
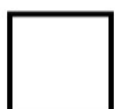
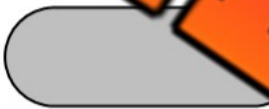
1)



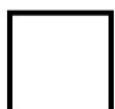
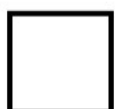
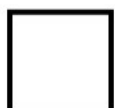
2)



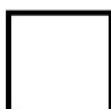
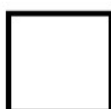
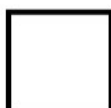
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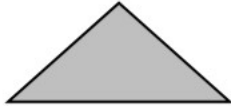
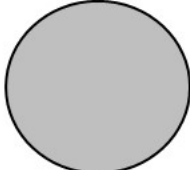
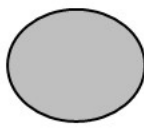
8)



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</u> than a <u>smaller area</u> than the <u>same area</u> as	
	a <u>larger area</u> than a <u>smaller area</u> than the <u>same area</u> as	
	a <u>larger area</u> than a <u>smaller area</u> than the <u>same area</u> as	
	a <u>larger area</u> than a <u>smaller area</u> than the <u>same area</u> as	
	a <u>larger area</u> than a <u>smaller area</u> than the <u>same area</u> as	
	a <u>larger area</u> than a <u>smaller area</u> than the <u>same area</u> as	

Name: _____

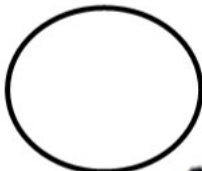
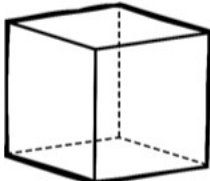
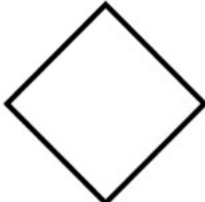
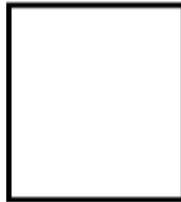
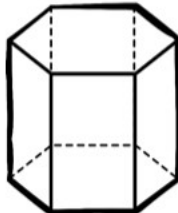
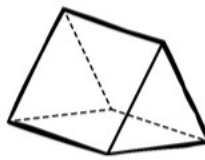
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Curriculum Connection
SS.2

Sorting 2D vs 3D Shapes

Questions

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

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

2-Dimensional

3-Dimensional

Comparing 2D Shapes - Size

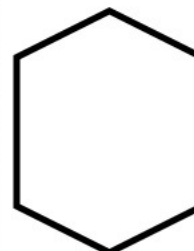
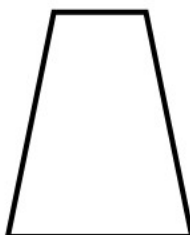
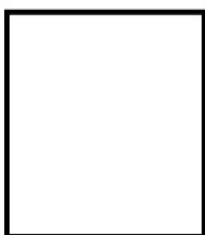
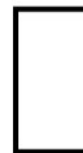
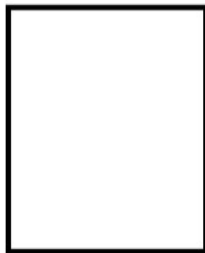
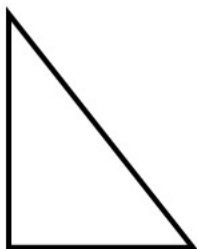
Small Shapes

Big Shapes

PREVIEW

Questions

Cut the shapes out and paste them into the correct bucket



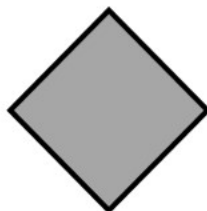
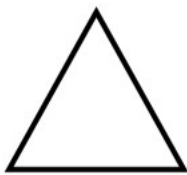
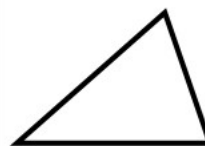
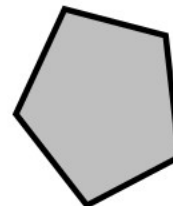
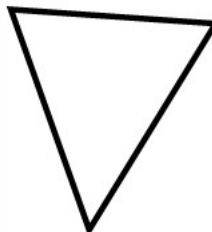
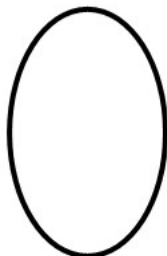
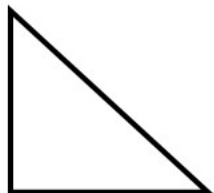
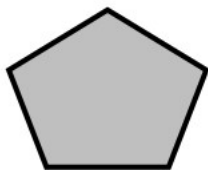
Sorting 2D Shapes - Colour

Questions

Sort the shapes into the correct categories

Grey Shapes**White Shapes**

PREVIEW

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

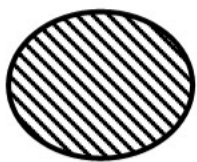
Sorting 2D Shapes - Patterns

Questions

Sort the shapes into the correct categories

PatternNo Pattern

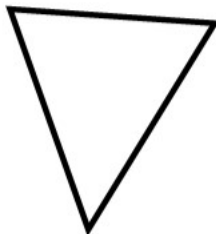
PREVIEW



A



B



C

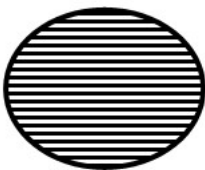


D

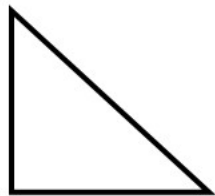


E

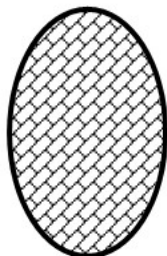
F



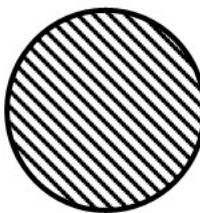
G



H



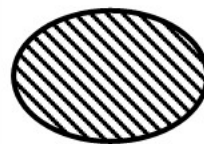
I



J



K



L

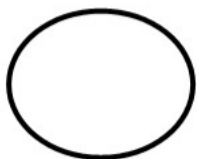
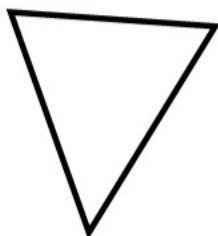
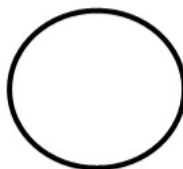
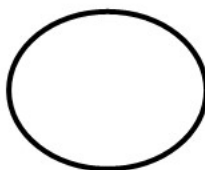
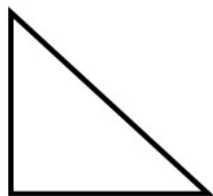
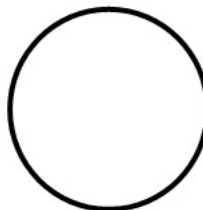
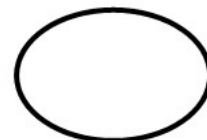
Sorting 2D Shapes - Rounded Shapes

Questions

Sort the shapes into the correct categories

RoundNot Round

PREVIEW

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

Name: _____

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Curriculum Connection
SS.2

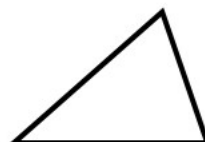
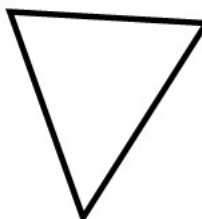
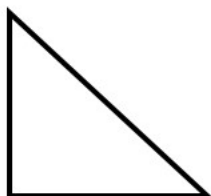
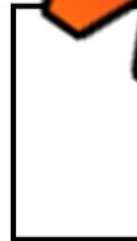
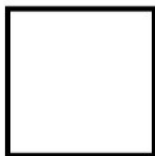
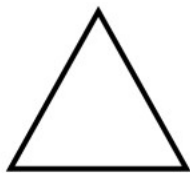
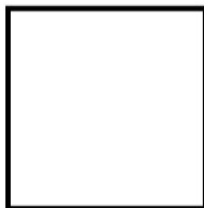
Sorting 2D Shapes - Sides

3 Sides

4 Sides

PREVIEW

Questions Cut the shapes out and paste them in the correct area



Name: _____

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Curriculum Connection
SS.2

Sorting 2D Shapes - Sorting Rules

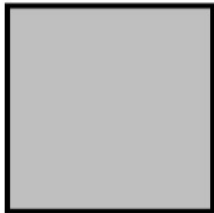
Questions

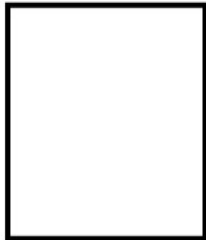
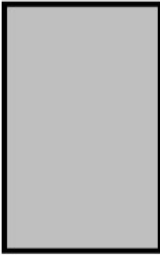
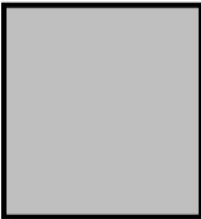
Choose 1 sorting rule to sort the shapes below

Sorting Rule Options – Choose 1 that will work

Pattern, No Pattern, Colour, Number of Sides, Round, Not Round, Size, Thickness

--	--

					
A	B	C	D	E	F

					
G	H	I	J	K	L

Name: _____

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Curriculum Connection
SS.2

Sorting 3D Shapes - Colour

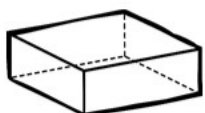
Grey

White

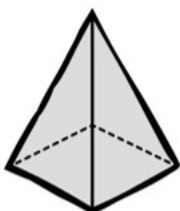
PREVIEW

Questions

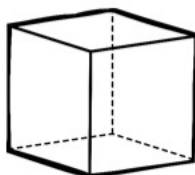
Write the letter below each shape in the correct category



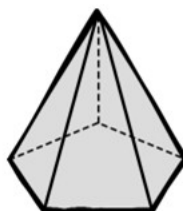
A



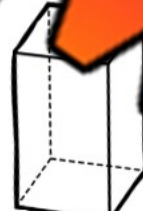
B



C



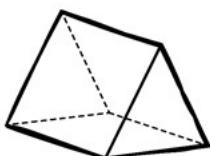
D



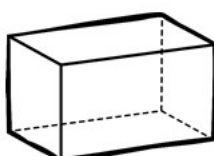
E



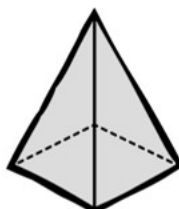
F



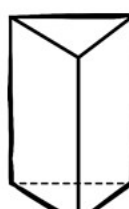
G



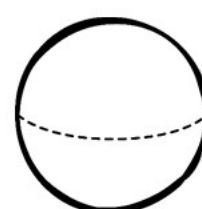
H



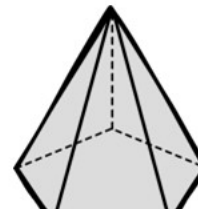
I



J



K



L

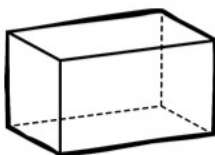
Sorting 3D Shapes - Pointed

Meets at a PointNon-Pointed

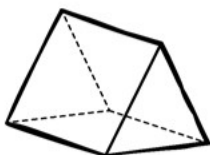
PREVIEW

Questions

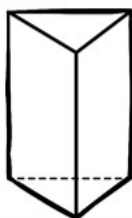
Write the letter below each shape in the correct category



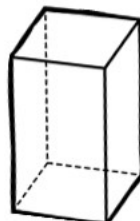
A



B



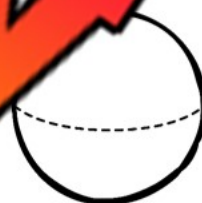
C



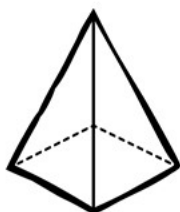
D



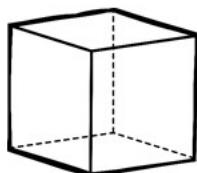
E



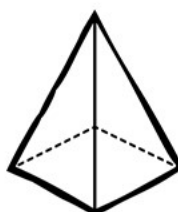
F



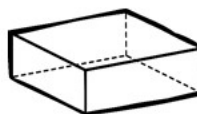
G



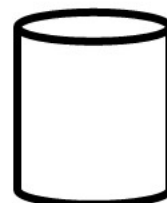
H



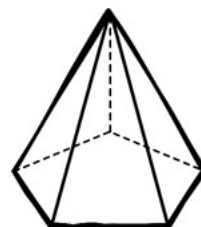
I



J



K



L

Name: _____

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Curriculum Connection
SS.2

Sorting 3D Shapes - Rounded

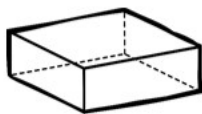
Round

Not Round

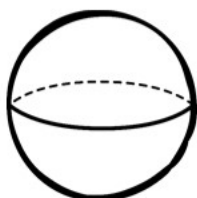
PREVIEW

Questions

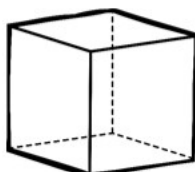
Write the letter below each shape in the correct category



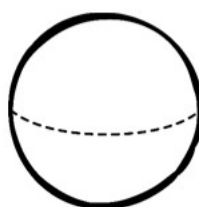
A



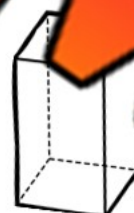
B



C



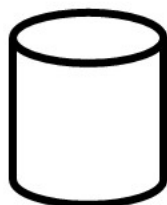
D



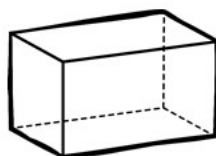
E



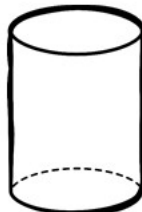
F



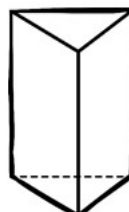
G



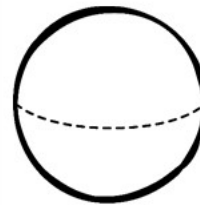
H



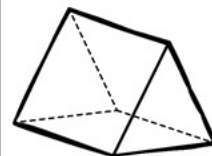
I



J



K



L

Name: _____

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Curriculum Connection
SS.3

Composite Pictures Using 2D Shapes

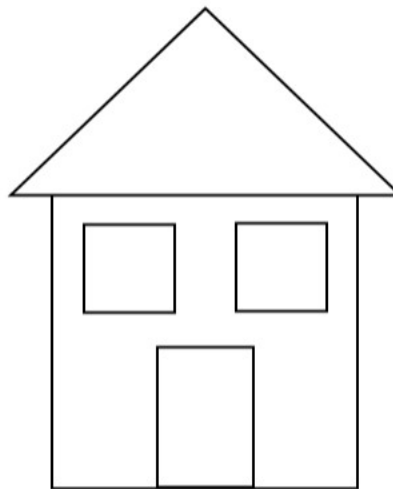
Directions

Colour the shapes below

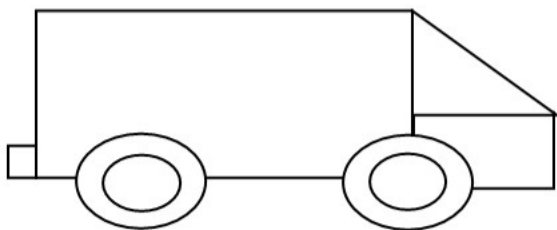
Tree



House



Car



Bridge



Directions

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

Name: _____

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Curriculum Connection
SS.3

Drawing Composite Pictures Using 2D Shapes

Directions

Draw the pictures below using smaller shapes

Tree

House

Car

PREVIEW

Name: _____

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Curriculum Connection
SS.3

Tangrams

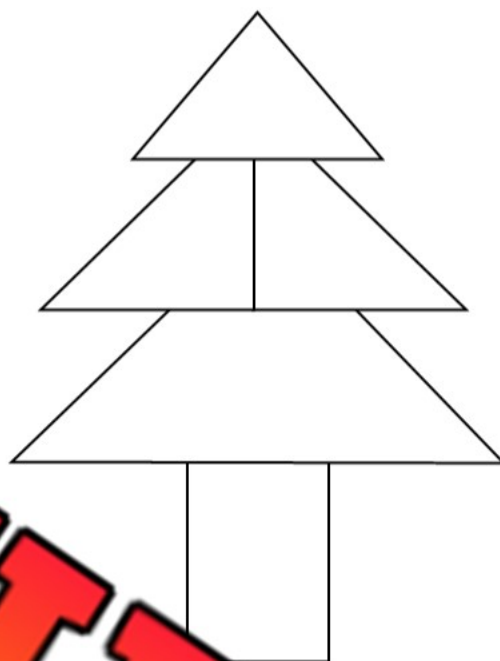
Directions

Use the pictures below to create tangrams using blocks

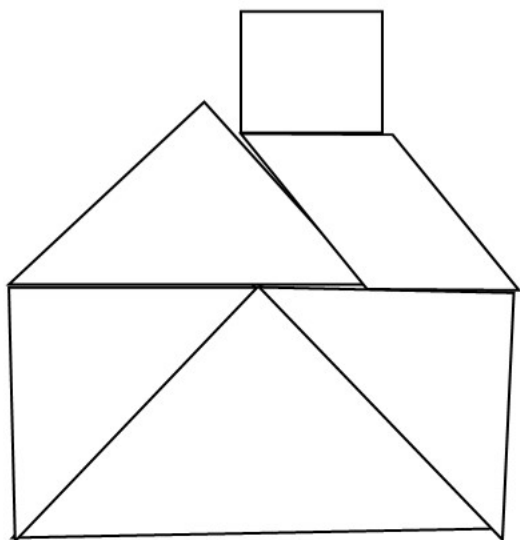
Rocket



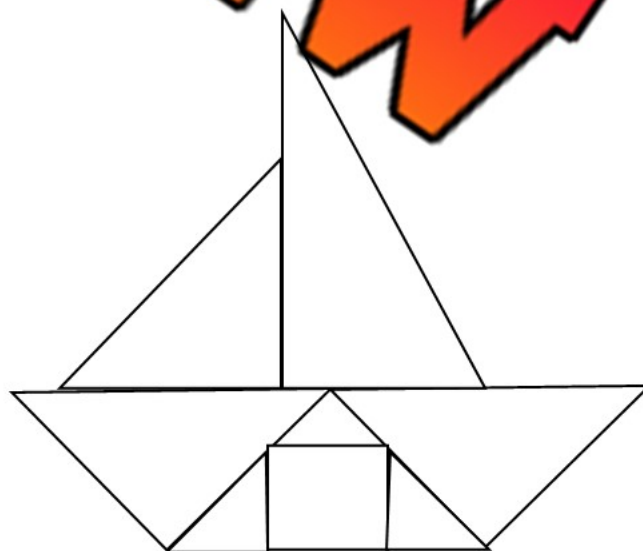
Tree



House

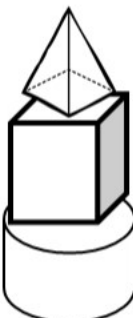
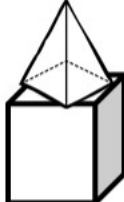
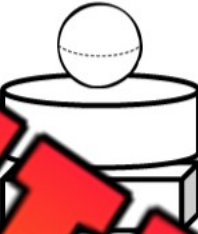
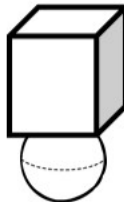
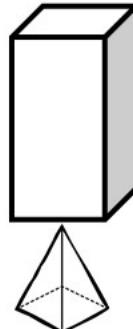
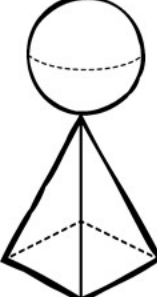


Boat



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

Real Life 2D Objects

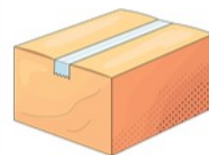
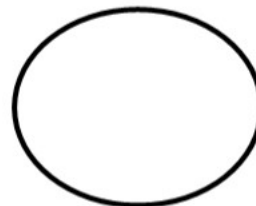
Questions

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

1)



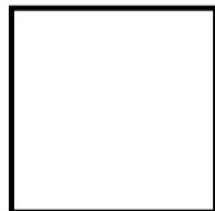
2)



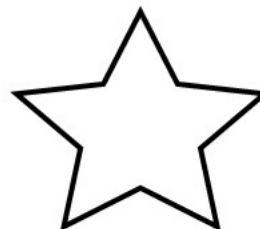
3)



5)



6)



2D Shapes Found in 3D Pictures

Questions

Circle the 2D shapes found in the 3D shape

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