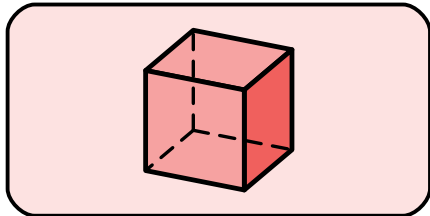


Match the 3D Shapes to Their Names

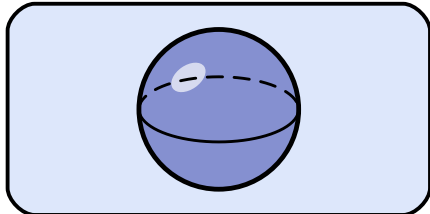
Name: _____

Date: _____

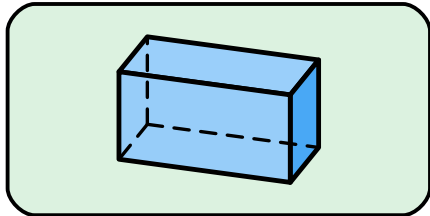
Draw a line from each solid shape to its name.



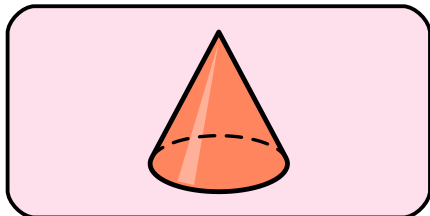
rectangular prism



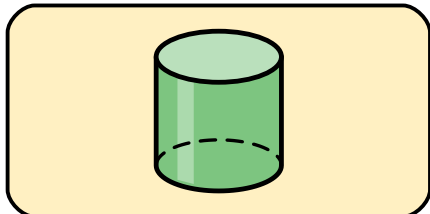
cylinder



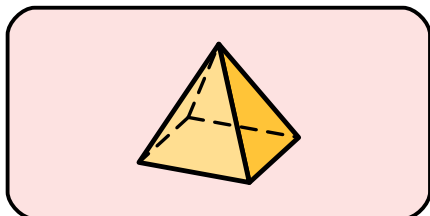
pyramid



sphere



cube

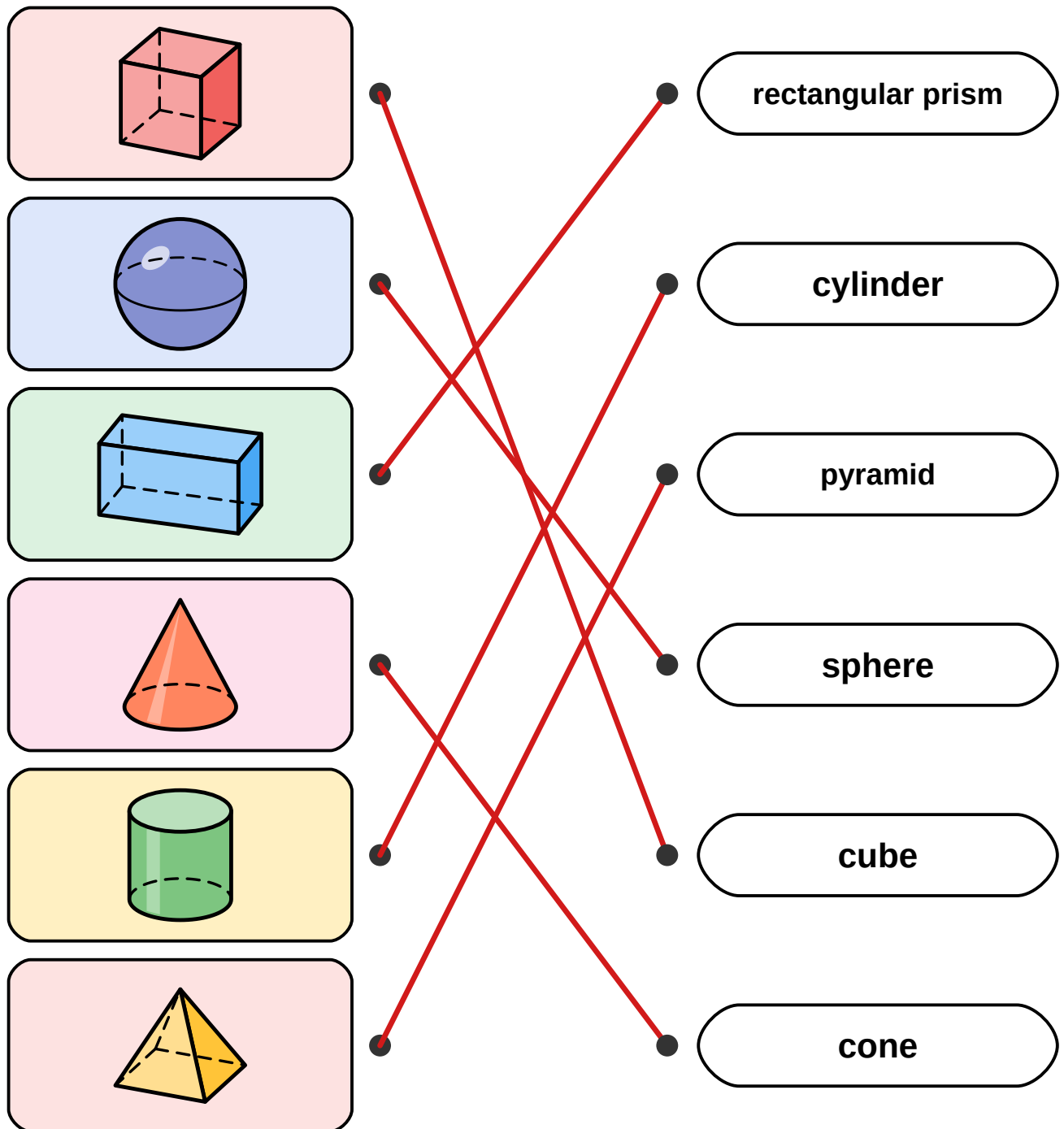


cone

Match the 3D Shapes to Their Names

Answer Key

Draw a line from each solid shape to its name.

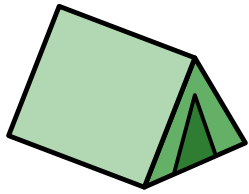


3D Shapes in Real Life: Find the Matching Solid

Name: _____ Date: _____

Look at each everyday object. Circle the 3D shape it looks like.

1.



tent



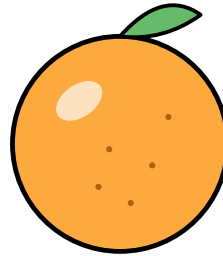
2.



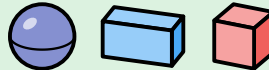
gift box



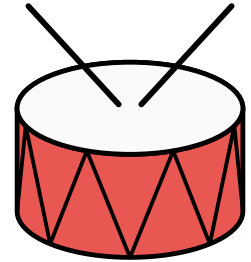
3.



orange



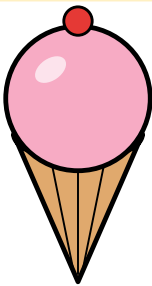
4.



drum



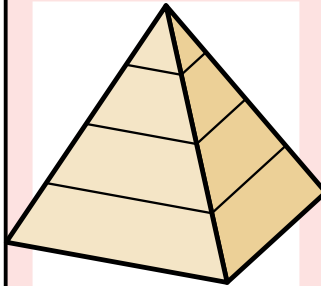
5.



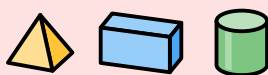
ice cream cone



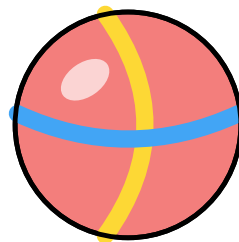
6.



pyramid



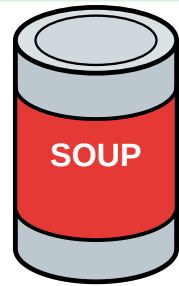
7.



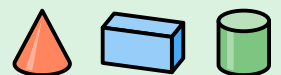
beach ball



8.



soup can

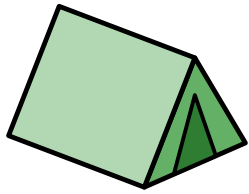


3D Shapes in Real Life: Find the Matching Solid

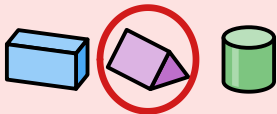
Answer Key

Look at each everyday object. Circle the 3D shape it looks like.

1.



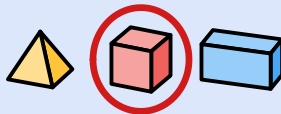
tent



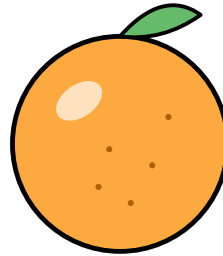
2.



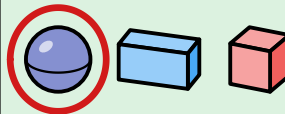
gift box



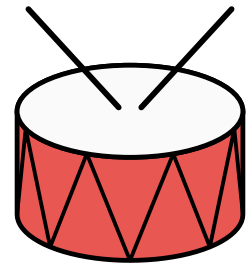
3.



orange



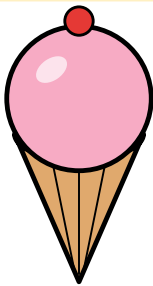
4.



drum



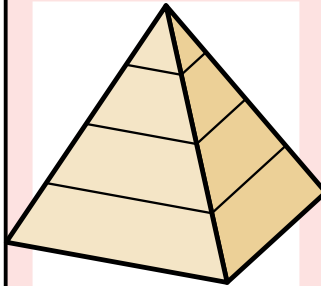
5.



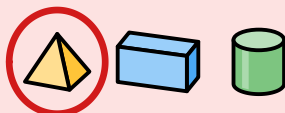
ice cream cone



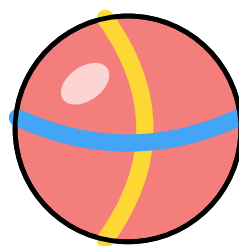
6.



pyramid



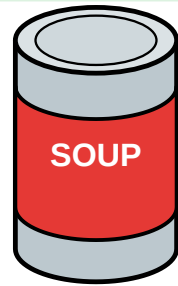
7.



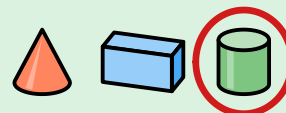
beach ball



8.



soup can

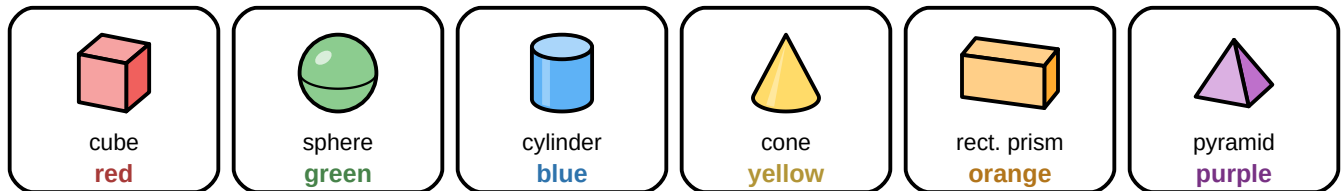
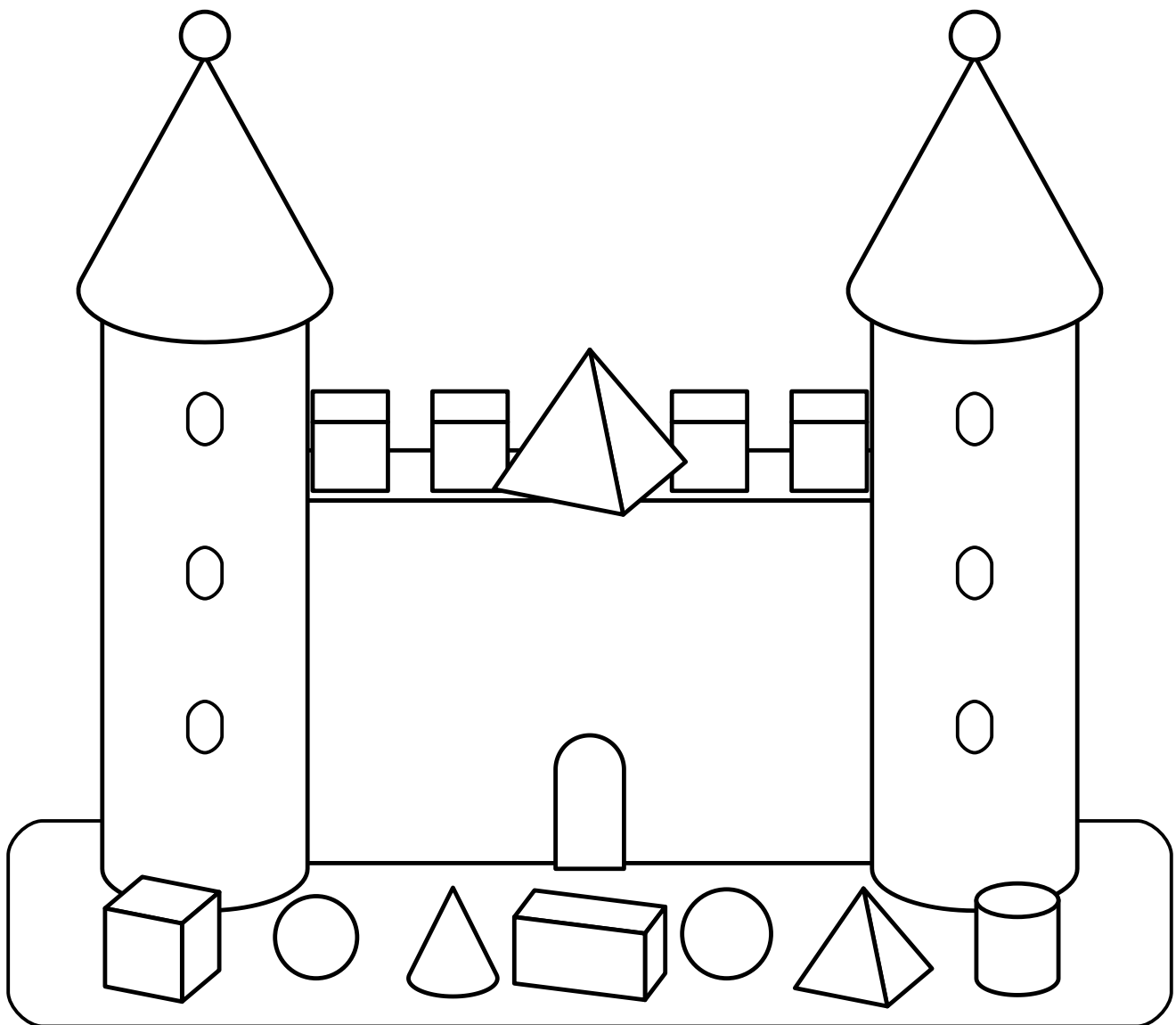


Color by 3D Shape: Toy Castle

Name: _____

Date: _____

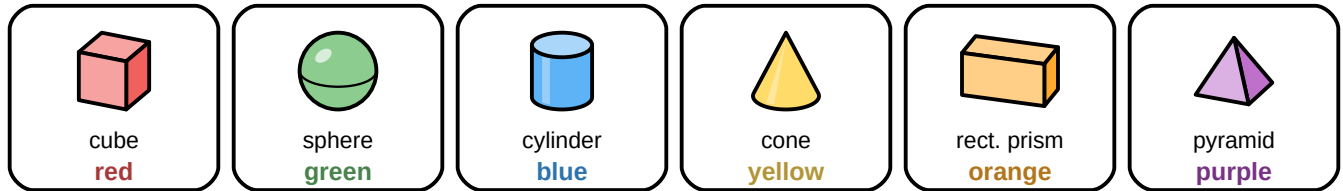
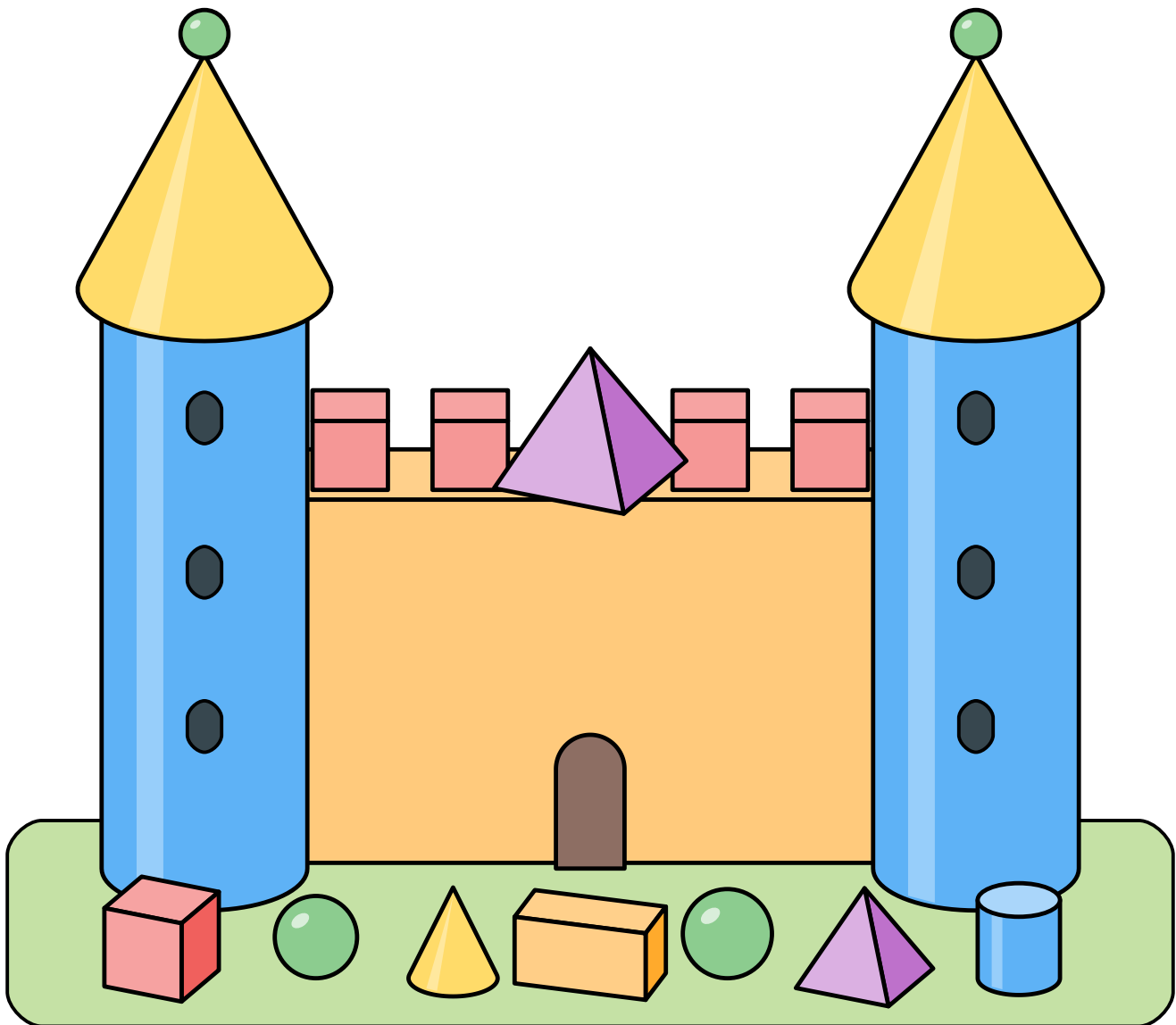
Color each solid in the castle with the color shown in the key.



Color by 3D Shape: Toy Castle

Answer Key

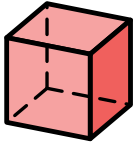
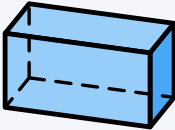
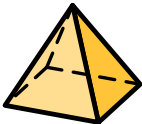
Color each solid in the castle with the color shown in the key.



Roll, Stack or Slide? Sorting 3D Shapes

Name: _____ Date: _____

Check each box if the shape can do it. Stack means another one can sit flat on top.

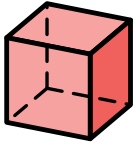
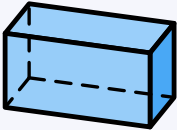
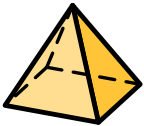
Shape	Name	Roll	Stack	Slide
	sphere	☐	☐	☐
	cube	☐	☐	☐
	rectangular prism	☐	☐	☐
	cone	☐	☐	☐
	cylinder	☐	☐	☐
	pyramid	☐	☐	☐

1. Which shape can roll, stack and slide? _____
2. Which shape can only roll? _____

Roll, Stack or Slide? Sorting 3D Shapes

Answer Key

Check each box if the shape can do it. Stack means another one can sit flat on top.

Shape	Name	Roll	Stack	Slide
	sphere	☒	☐	☐
	cube	☐	☒	☒
	rectangular prism	☐	☒	☒
	cone	☒	☐	☒
	cylinder	☒	☒	☒
	pyramid	☐	☐	☒

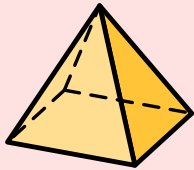
1. Which shape can roll, stack and slide? cylinder
2. Which shape can only roll? sphere

Flat Faces: Which 2D Shape Is on the Bottom?

Name: _____ Date: _____

If you traced around the bottom of each solid, what shape would you draw? Circle it.

1.



pyramid



circle

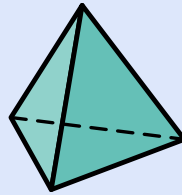


triangle



square

2.



triangular pyramid



square

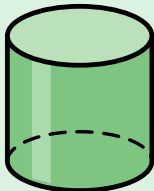


rectangle



triangle

3.



cylinder



circle

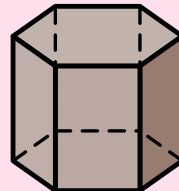


square



hexagon

4.



hexagonal prism



square

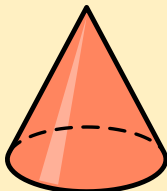


circle



hexagon

5.



cone



triangle

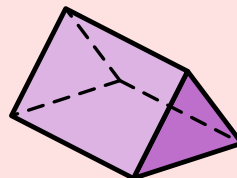


rectangle



circle

6.



triangular prism



square

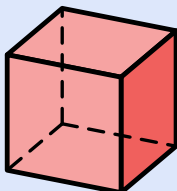


rectangle



triangle

7.



cube



circle

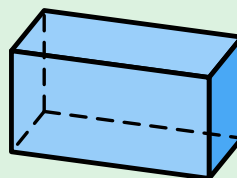


triangle



square

8.



rectangular prism



hexagon



triangle



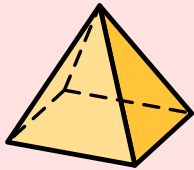
rectangle

Flat Faces: Which 2D Shape Is on the Bottom?

Answer Key

If you traced around the bottom of each solid, what shape would you draw? Circle it.

1.



pyramid



circle

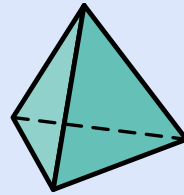


triangle



square

2.



triangular pyramid



square

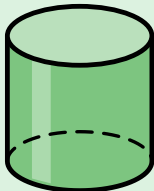


rectangle



triangle

3.



cylinder



circle

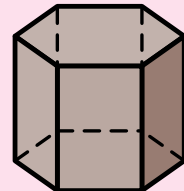


square



hexagon

4.



hexagonal prism



square

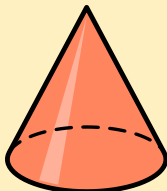


circle



hexagon

5.



cone



triangle

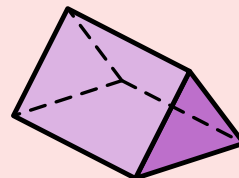


rectangle



circle

6.



triangular prism



square

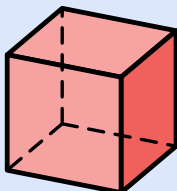


rectangle



triangle

7.



cube



circle

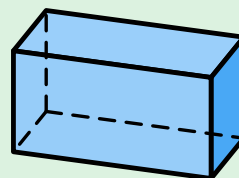


triangle



square

8.



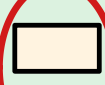
rectangular prism



hexagon



triangle

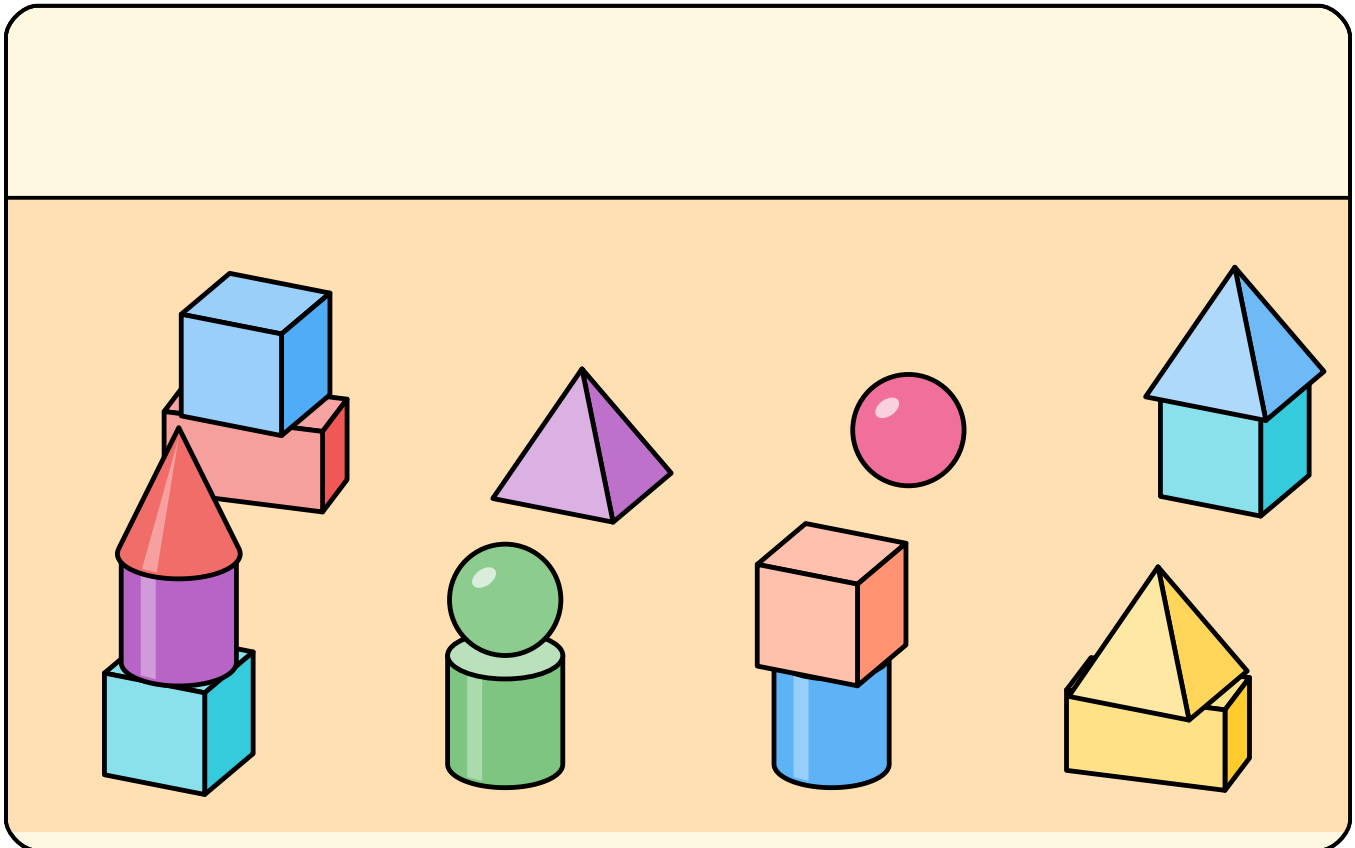


rectangle

Count the 3D Shapes in the Block Tower Scene

Name: _____ Date: _____

Look at the toy block towers. Count each kind of solid and write the number in its box.



cube



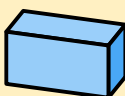
sphere



cylinder



cone



rect. prism



pyramid

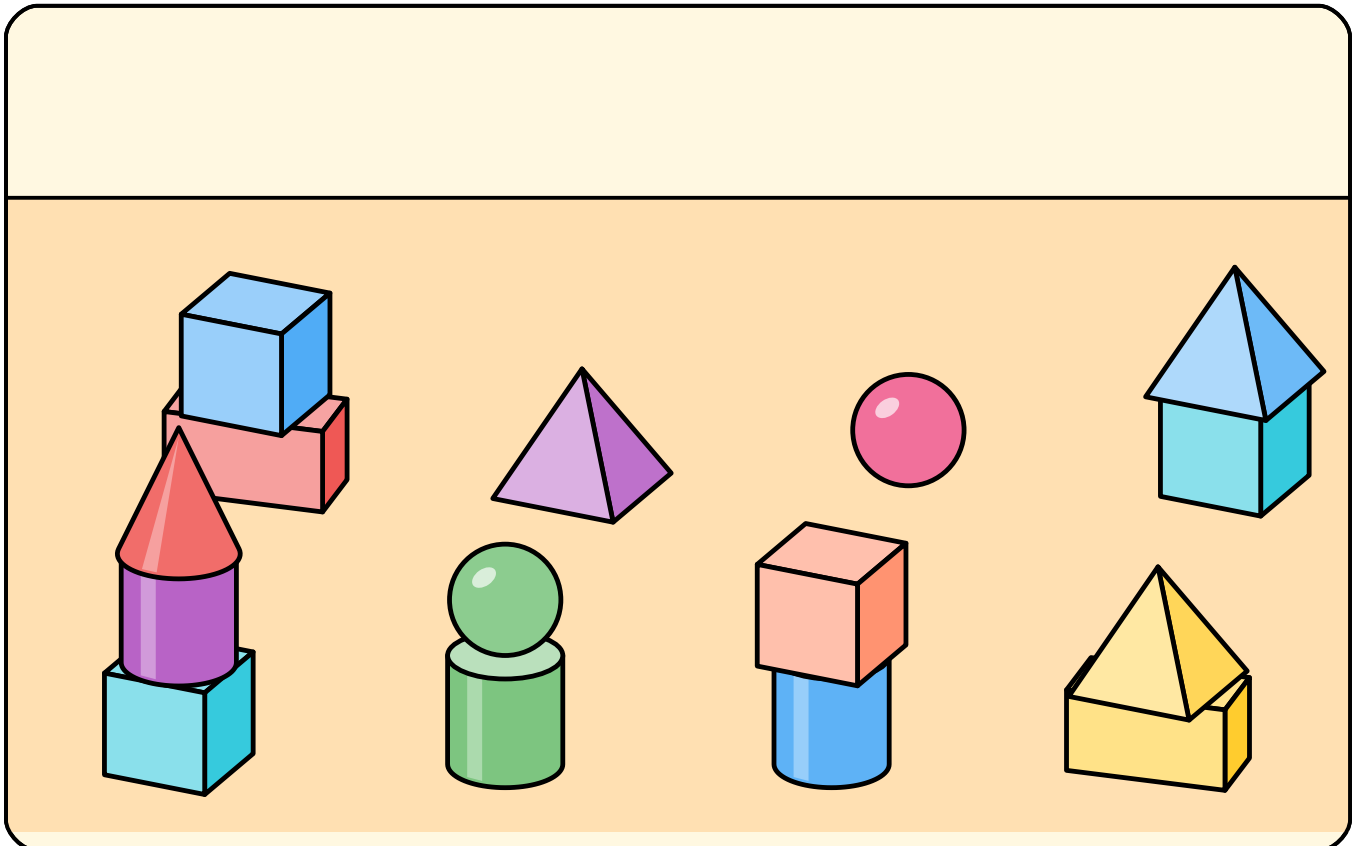
1. Which shape is used the most? _____

2. How many shapes are there in all? _____

Count the 3D Shapes in the Block Tower Scene

Answer Key

Look at the toy block towers. Count each kind of solid and write the number in its box.



cube

4



sphere

2



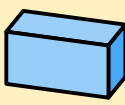
cylinder

3



cone

1



rect. prism

2



pyramid

3

1. Which shape is used the most? cube
2. How many shapes are there in all? 15

How to Draw a Cube and a Cylinder: Trace and Draw

Name: _____ Date: _____

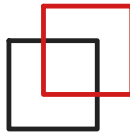
Follow the steps (the new line is red), trace the gray dashes, then draw your own.

How to draw a cube

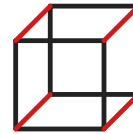
1. Draw a square.



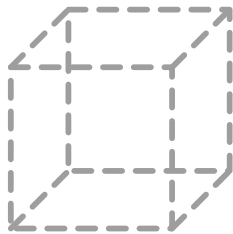
2. Draw the same square up and to the right.



3. Connect the matching corners.



Trace it:



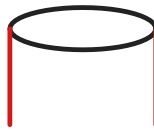
Now draw your own:

How to draw a cylinder

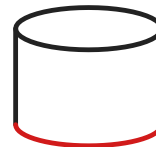
1. Draw a flat oval for the top.



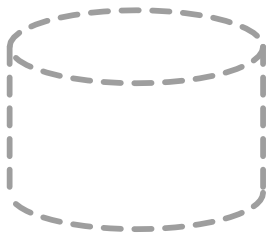
2. Draw two straight lines down.



3. Draw a curve to close the bottom.



Trace it:



Now draw your own:

Bonus: add a face, a hat or stripes to turn your shapes into a robot!

Which 3D Shape Am I? Shape Riddles

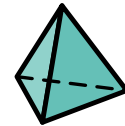
Name: _____

Date: _____

Read each riddle. Circle the solid shape that matches all of the clues.

1. Who am I?

I have 5 faces: 1 square on the bottom and 4 triangles that meet at the top.



2. Who am I?

I have no flat faces, no edges and no vertices.
I can roll in every direction.



3. Who am I?

I have 2 flat faces that are circles. I can roll,
and you can stack me too.



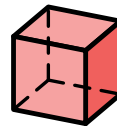
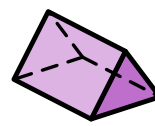
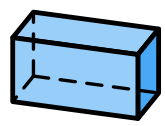
4. Who am I?

All 4 of my faces are triangles. I have 4
vertices.



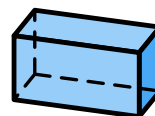
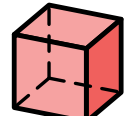
5. Who am I?

I have 6 faces. Some of my faces are
rectangles that are not squares. A cereal box
looks like me.



6. Who am I?

I have 6 faces, and every face is a square. A
number cube is shaped like me.



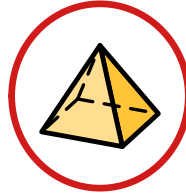
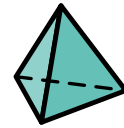
Which 3D Shape Am I? Shape Riddles

Answer Key

Read each riddle. Circle the solid shape that matches all of the clues.

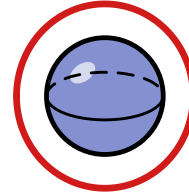
1. Who am I?

I have 5 faces: 1 square on the bottom and 4 triangles that meet at the top.



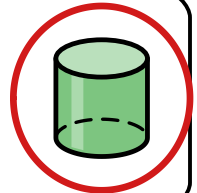
2. Who am I?

I have no flat faces, no edges and no vertices.
I can roll in every direction.



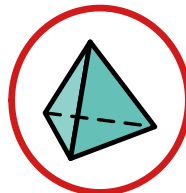
3. Who am I?

I have 2 flat faces that are circles. I can roll,
and you can stack me too.



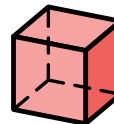
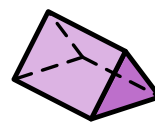
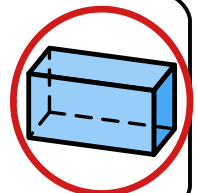
4. Who am I?

All 4 of my faces are triangles. I have 4
vertices.



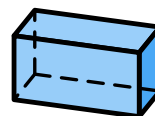
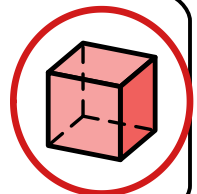
5. Who am I?

I have 6 faces. Some of my faces are
rectangles that are not squares. A cereal box
looks like me.



6. Who am I?

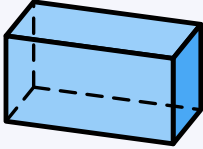
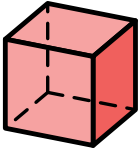
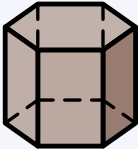
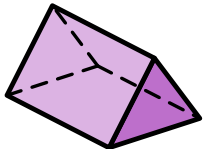
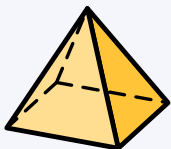
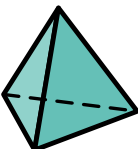
I have 6 faces, and every face is a square. A
number cube is shaped like me.



Faces, Edges and Vertices of 3D Shapes

Name: _____ Date: _____

A face is a flat side, an edge is where two faces meet and a vertex is a corner. Dashed lines are edges hidden in the back.

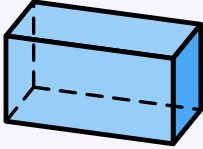
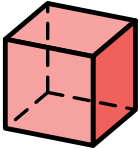
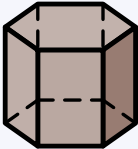
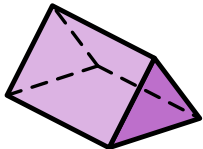
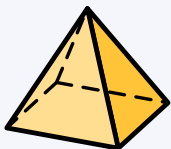
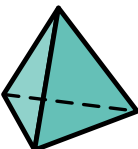
Shape	Name	Faces	Edges	Vertices
	rectangular prism	<input type="text"/>	<input type="text"/>	<input type="text"/>
	cube	<input type="text"/>	<input type="text"/>	<input type="text"/>
	hexagonal prism	<input type="text"/>	<input type="text"/>	<input type="text"/>
	triangular prism	<input type="text"/>	<input type="text"/>	<input type="text"/>
	square pyramid	<input type="text"/>	<input type="text"/>	<input type="text"/>
	triangular pyramid	<input type="text"/>	<input type="text"/>	<input type="text"/>

- Which two shapes have the same numbers in every column? _____
- Which shape has the most edges? _____
- How many more vertices does a cube have than a square pyramid? _____

Faces, Edges and Vertices of 3D Shapes

Answer Key

A face is a flat side, an edge is where two faces meet and a vertex is a corner. Dashed lines are edges hidden in the back.

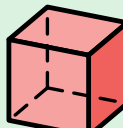
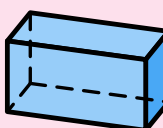
Shape	Name	Faces	Edges	Vertices
	rectangular prism	6	12	8
	cube	6	12	8
	hexagonal prism	8	18	12
	triangular prism	5	9	6
	square pyramid	5	8	5
	triangular pyramid	4	6	4

- Which two shapes have the same numbers in every column? cube, rect. prism
- Which shape has the most edges? hexagonal prism
- How many more vertices does a cube have than a square pyramid? 3

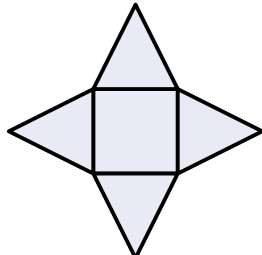
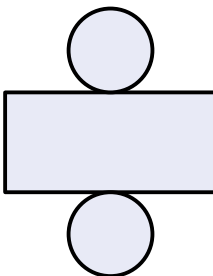
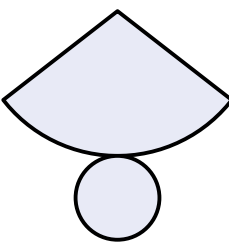
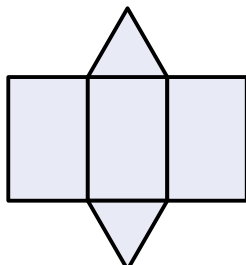
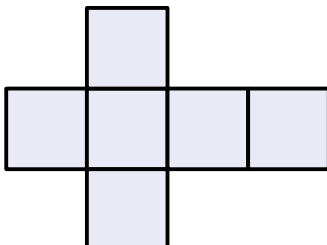
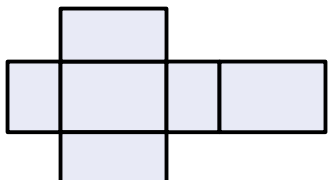
Match Each 3D Shape to Its Net

Name: _____ Date: _____

Write the letter of the net that folds into each solid.

1.  <input type="text"/>	2.  <input type="text"/>	3.  <input type="text"/>	4.  <input type="text"/>	5.  <input type="text"/>	6.  <input type="text"/>
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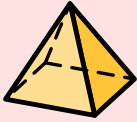
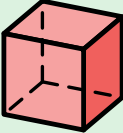
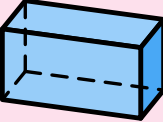
Nets: cut out and fold these to build the solids.

A 	B 	C 
D 	E 	F 

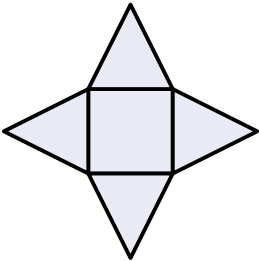
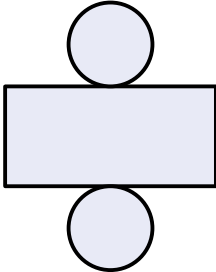
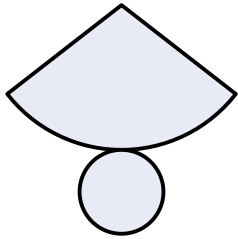
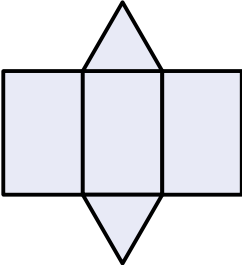
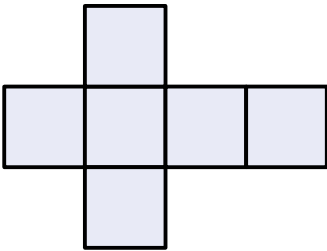
Match Each 3D Shape to Its Net

Answer Key

Write the letter of the net that folds into each solid.

1.  A	2.  C	3.  E	4.  F	5.  B	6.  D
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Nets: cut out and fold these to build the solids.

A 	B 	C 
D 	E 	F 