

Faces, Edges and Vertices

Write the name of each 3D shape. Use the word bank.

Word bank:

cube

rectangular prism

triangular prism

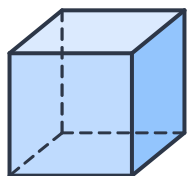
pyramid

cylinder

cone

sphere

Name each 3D shape.



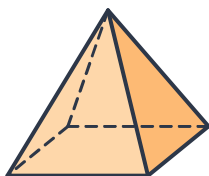
Example

cube

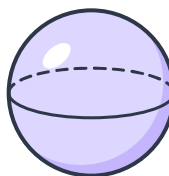
1.



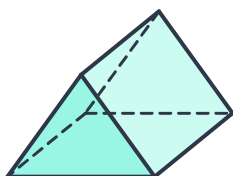
2.



3.



4.



5.



What 3D shape does each thing look like?

6.



a cereal box

7.



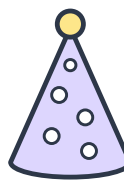
a can

8.



a globe

9.

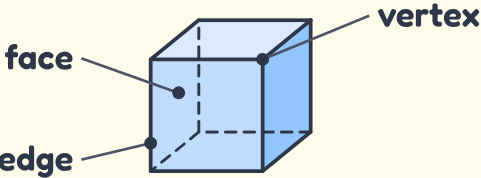


a party hat

Faces, Edges and Vertices

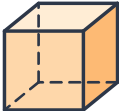
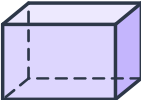
Count the faces, edges and vertices. Then sort.

Words to know

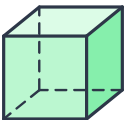


- face:** a flat side
- edge:** where two faces meet
- vertex:** a corner where edges meet
- vertices:** more than one vertex

Count the faces, edges and vertices.

3D shape	Faces	Edges	Vertices
 cube Example	<u>6</u>	<u>12</u>	<u>8</u>
 rectangular prism	<u> </u>	<u> </u>	<u> </u>
 pyramid	<u> </u>	<u> </u>	<u> </u>
 triangular prism	<u> </u>	<u> </u>	<u> </u>

Flat or curved? Write each letter in its group.



A



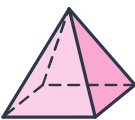
B



C



D



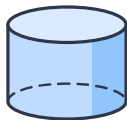
E



F



G



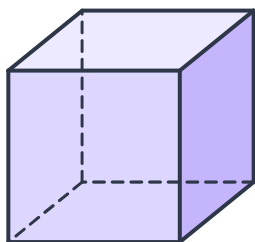
H

Only flat faces	A curved surface

Faces, Edges and Vertices

Circle the shape of every flat face. Count the flat faces.

Example



circle



square



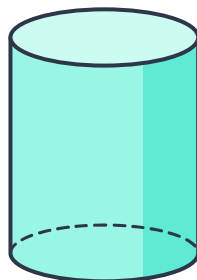
rectangle



triangle

6 flat faces

1.



circle



square



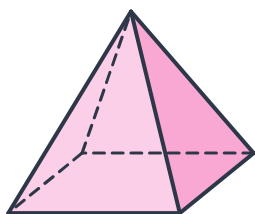
rectangle



triangle

 flat faces

2.



circle



square



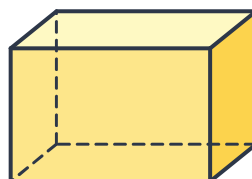
rectangle



triangle

 flat faces

3.



circle



square



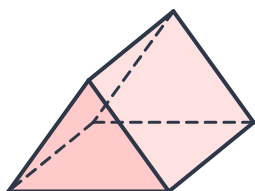
rectangle



triangle

 flat faces

4.



circle



square



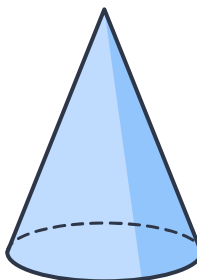
rectangle



triangle

 flat faces

5.



circle



square



rectangle



triangle

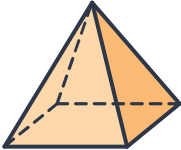
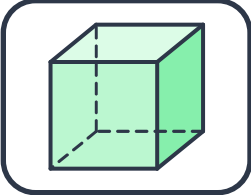
 flat faces

Faces, Edges and Vertices

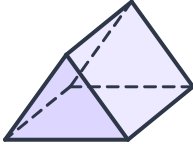
Compare the 3D shapes. Then circle yes or no.

Read the question. Circle the 3D shape.

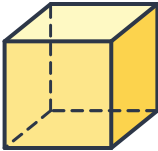
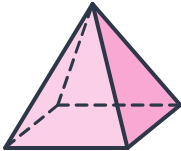
Example Which has more faces?



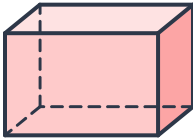
1. Which has more vertices?



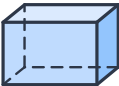
2. Which has fewer edges?



3. Which has no vertices?



Can it roll? Can it stack? Circle yes or no.

3D shape		Can it roll?		Can it stack?	
	sphere Example	yes	no	yes	no
	cube	yes	no	yes	no
	cylinder	yes	no	yes	no
	cone	yes	no	yes	no
	rectangular prism	yes	no	yes	no
	pyramid	yes	no	yes	no

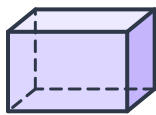
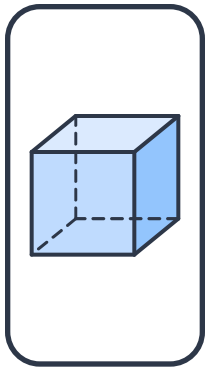
A shape can stack when it has a flat top and a flat bottom.

Faces, Edges and Vertices

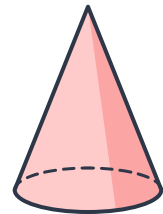
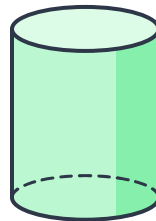
Read each riddle. Circle the 3D shape it tells about.

Example

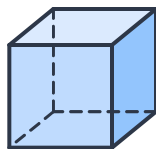
I have **6** faces. All of my faces are squares.



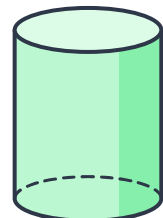
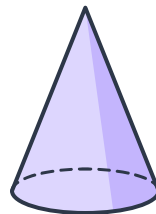
1. My **1** flat face is a circle. I have a point on top.



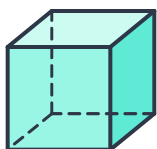
2. I have **5** faces. **4** of my faces are triangles.



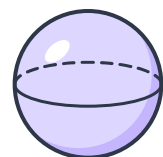
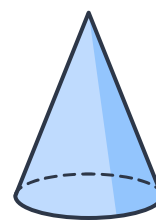
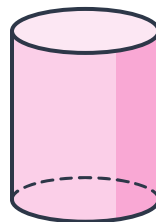
3. I have no flat faces. I can roll any way.



4. I have **6** faces. Not all of my faces are squares.



5. I have **2** flat faces. Both are circles.



Faces, Edges and Vertices

Write the name of each 3D shape. Use the word bank.

Word bank:

cube

rectangular prism

triangular prism

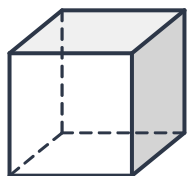
pyramid

cylinder

cone

sphere

Name each 3D shape.



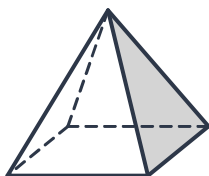
Example

cube

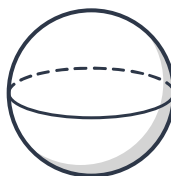
1.



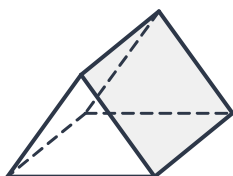
2.



3.



4.



5.



What 3D shape does each thing look like?

6.



a cereal box

7.



a can

8.



a globe

9.

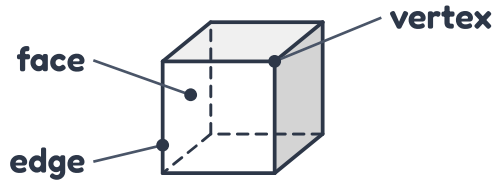


a party hat

Faces, Edges and Vertices

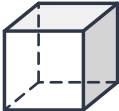
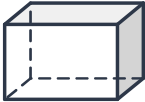
Count the faces, edges and vertices. Then sort.

Words to know

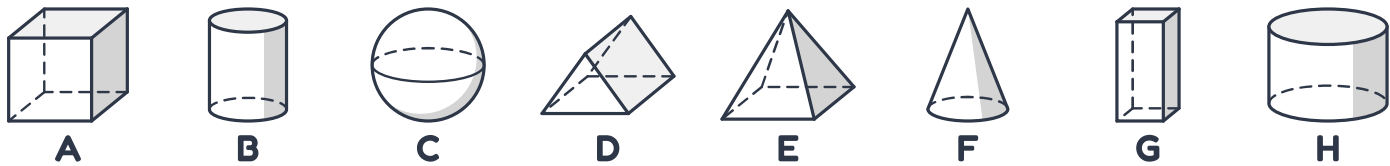


- face:** a flat side
- edge:** where two faces meet
- vertex:** a corner where edges meet
- vertices:** more than one vertex

Count the faces, edges and vertices.

3D shape	Faces	Edges	Vertices
 cube Example	<u>6</u>	<u>12</u>	<u>8</u>
 rectangular prism	<u> </u>	<u> </u>	<u> </u>
 pyramid	<u> </u>	<u> </u>	<u> </u>
 triangular prism	<u> </u>	<u> </u>	<u> </u>

Flat or curved? Write each letter in its group.

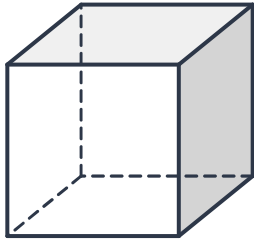


Only flat faces	A curved surface

Faces, Edges and Vertices

Circle the shape of every flat face. Count the flat faces.

Example



circle



square



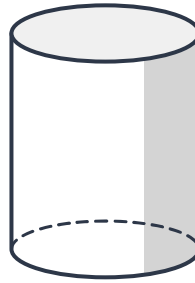
rectangle



triangle

6 flat faces

1.



circle



square



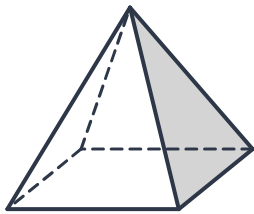
rectangle



triangle

 flat faces

2.



circle



square



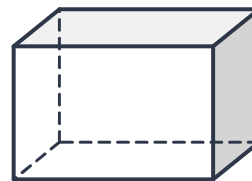
rectangle



triangle

 flat faces

3.



circle



square



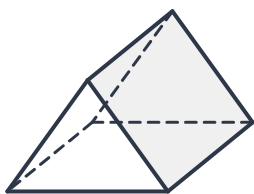
rectangle



triangle

 flat faces

4.



circle



square



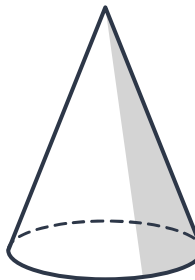
rectangle



triangle

 flat faces

5.



circle



square



rectangle



triangle

 flat faces

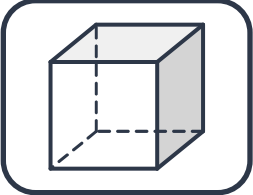
Faces, Edges and Vertices

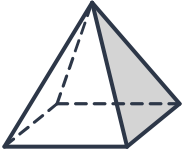
Compare the 3D shapes. Then circle yes or no.

Read the question. Circle the 3D shape.

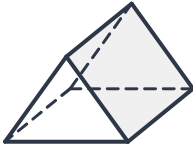
Example

Which has more faces?



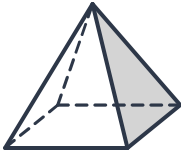


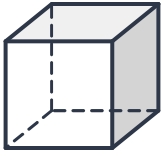
1. Which has more vertices?



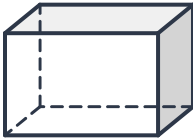


2. Which has fewer edges?





3. Which has no vertices?





Can it roll? Can it stack? Circle yes or no.

3D shape		Can it roll?		Can it stack?	
	sphere Example	yes	no	yes	no
	cube	yes	no	yes	no
	cylinder	yes	no	yes	no
	cone	yes	no	yes	no
	rectangular prism	yes	no	yes	no
	pyramid	yes	no	yes	no

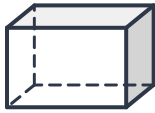
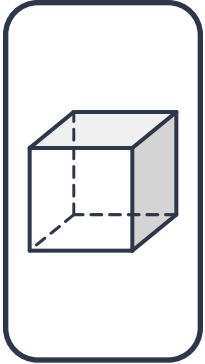
A shape can stack when it has a flat top and a flat bottom.

Faces, Edges and Vertices

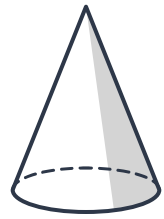
Read each riddle. Circle the 3D shape it tells about.

Example

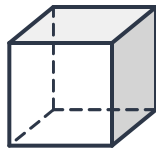
I have **6** faces. All of my faces are squares.



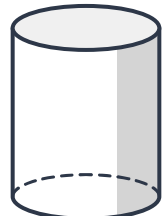
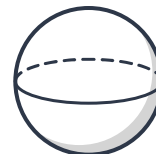
1. My **1** flat face is a circle. I have a point on top.



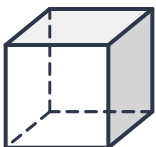
2. I have **5** faces. **4** of my faces are triangles.



3. I have no flat faces. I can roll any way.



4. I have **6** faces. Not all of my faces are squares.



5. I have **2** flat faces. Both are circles.



Faces, Edges and Vertices

Write the name of each 3D shape. Use the word bank.

Word bank:

cube

rectangular prism

triangular prism

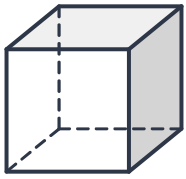
pyramid

cylinder

cone

sphere

Name each 3D shape.



Example

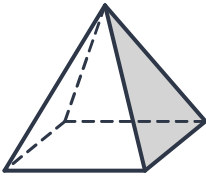
cube

1.



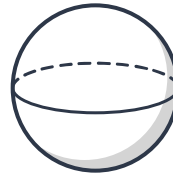
cylinder

2.



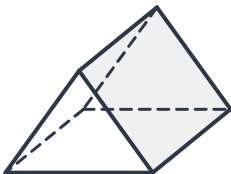
pyramid

3.



sphere

4.



triangular prism

5.



cone

What 3D shape does each thing look like?

6.



a cereal box

rectangular prism

7.



a can

cylinder

8.



a globe

sphere

9.



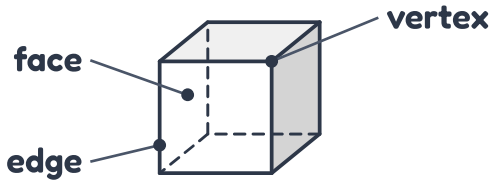
a party hat

cone

Faces, Edges and Vertices

Count the faces, edges and vertices. Then sort.

Words to know



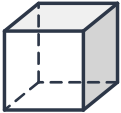
face: a flat side

edge: where two faces meet

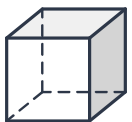
vertex: a corner where edges meet

vertices: more than one vertex

Count the faces, edges and vertices.

3D shape	Faces	Edges	Vertices
 cube Example	<u>6</u>	<u>12</u>	<u>8</u>
 rectangular prism	<u>6</u>	<u>12</u>	<u>8</u>
 pyramid	<u>5</u>	<u>8</u>	<u>5</u>
 triangular prism	<u>5</u>	<u>9</u>	<u>6</u>

Flat or curved? Write each letter in its group.



A



B



C



D



E



F



G



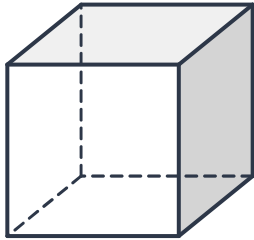
H

Only flat faces	A curved surface
A D E G	B C F H

Faces, Edges and Vertices

Circle the shape of every flat face. Count the flat faces.

Example



circle



square



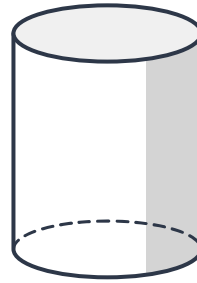
rectangle



triangle

6 flat faces

1.



circle



square



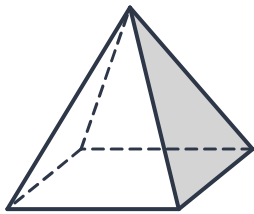
rectangle



triangle

2 flat faces

2.



circle



square



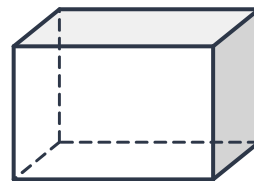
rectangle



triangle

5 flat faces

3.



circle



square



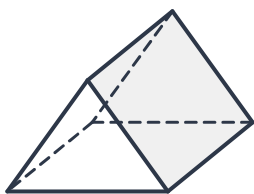
rectangle



triangle

6 flat faces

4.



circle



square



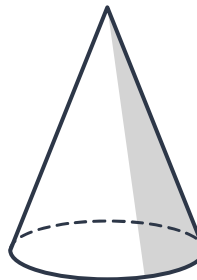
rectangle



triangle

5 flat faces

5.



circle



square



rectangle



triangle

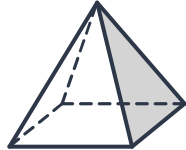
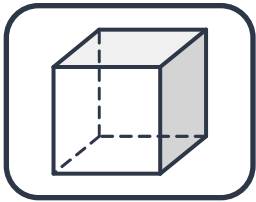
1 flat faces

Faces, Edges and Vertices

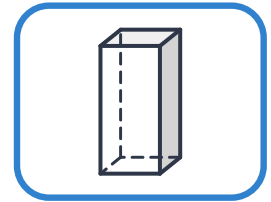
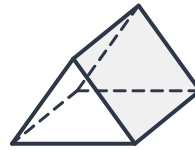
Compare the 3D shapes. Then circle yes or no.

Read the question. Circle the 3D shape.

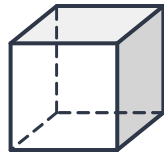
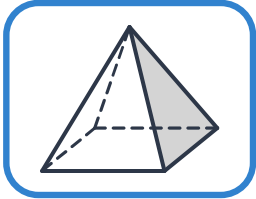
Example Which has more faces?



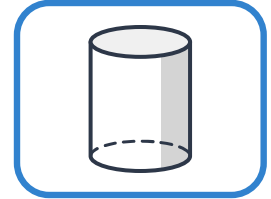
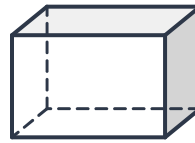
1. Which has more vertices?



2. Which has fewer edges?



3. Which has no vertices?



Can it roll? Can it stack? Circle yes or no.

3D shape	Can it roll?	Can it stack?
 sphere Example	yes no	yes no
 cube	yes no	yes no
 cylinder	yes no	yes no
 cone	yes no	yes no
 rectangular prism	yes no	yes no
 pyramid	yes no	yes no

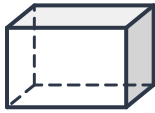
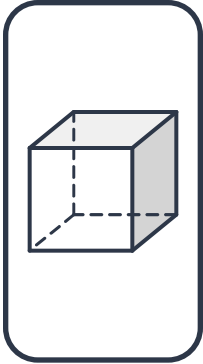
A shape can stack when it has a flat top and a flat bottom.

Faces, Edges and Vertices

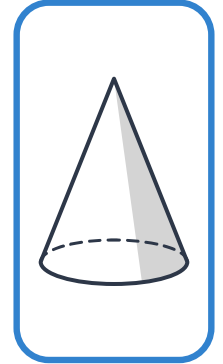
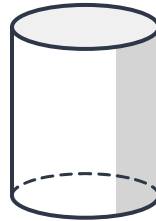
Read each riddle. Circle the 3D shape it tells about.

Example

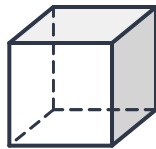
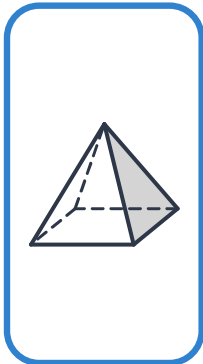
I have **6** faces. All of my faces are squares.



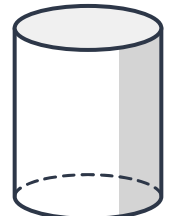
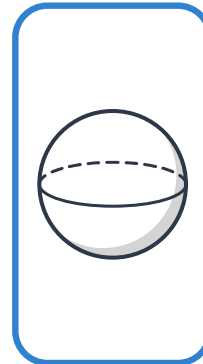
1. My **1** flat face is a circle. I have a point on top.



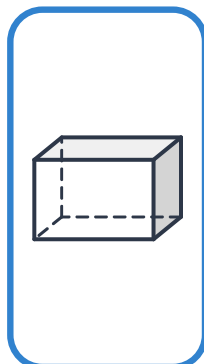
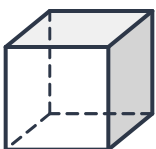
2. I have **5** faces. **4** of my faces are triangles.



3. I have no flat faces. I can roll any way.



4. I have **6** faces. Not all of my faces are squares.



5. I have **2** flat faces. Both are circles.

