Inspiring Greatness

ISD

INDEPENDENCE SCHOOL DISTRICT

Math Virtual Learning
SpEd Program K-5

3D Shapes

April 22, 2020

Math Problem Solving
Lesson: April 22, 2020

Learning Target:
Students will be able to identify the number of edges, vertice, and faces of a cone.

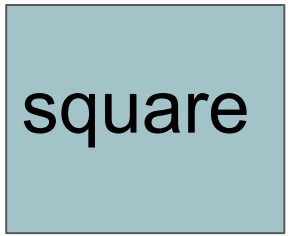
Background: Students will be learning about 3D shapes

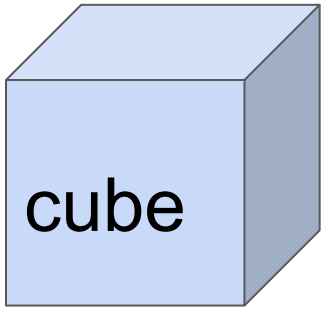
- Students can show the sides and vertice of a 2D shape.
- Students can show the edges, vertice, and faces of a cube.
- Students can show the edges, vertice, and faces of a cylinder.
- Students can show the edges, vertice, and faces of a sphere.

Let's Get Started:

1. Jack Hartmann: 3D Shapes

Remember that 2D and 3D shapes are similar.





Review

Cube

I have 12 edges.
I have 8 vertice (corner).
I have 6 square faces.

My edges and faces are always the same size.

Cube Song

Sphere

I have 0 edges.

I have 0 vertice (corners).

I have 0 faces.

Sphere Video

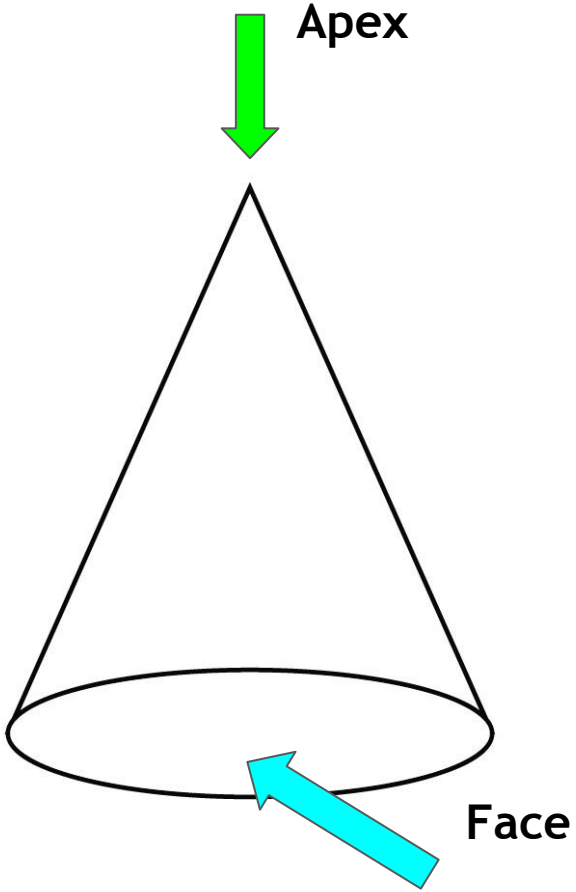
Cylinder

I have 0 edges.
I have 0 vertice (corners).
I have 3 faces, 2 are circles and 1 is a curved rectangle.

Cylinder Video

Cone

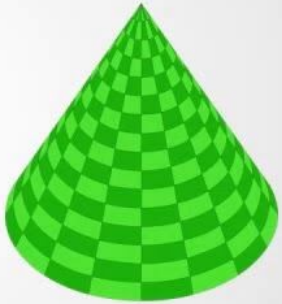
I have 0 edges.
I have 1 apex (point).
I have 1 face.



Cone Video

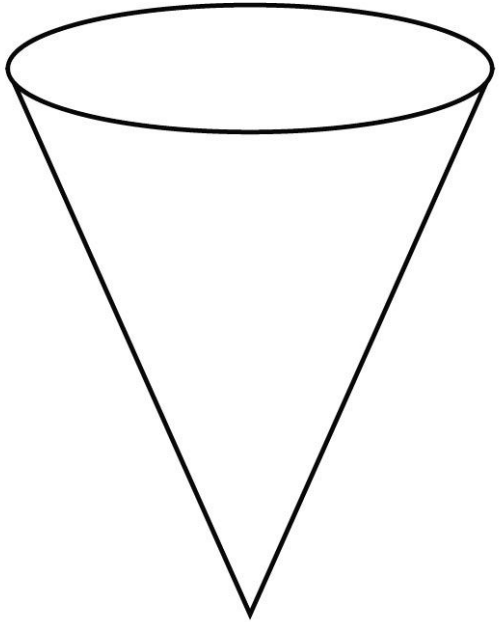
Cone

Examples of cone shape:



Practice #1:

- What shape do you see?
- How do you know?



Practice 2:

How many cones can you find?

Practice 3:

How many cones can you find?

Practice 4:

How many cones can you find?

Practice on your own:

Shape Practice!

1. Can you find 2 cones in your home?
    - Can you count faces, apex and sides?

2. Can you find 2 cones outside?
    - Can you count faces, apex, and sides?

More Practice on Your Own:
Visit these websites:

1. Monster 3D Match
    - Click the arrow to start
    - Click Pictures to Pictures
    - Click Show Me

2. PBS Kids: Peg + Cat: Magical Shape Hunt

Self Check:

Go tell someone in your home your answers.

1. Was this lesson?
   - ❑ easy,
   - ❑ just right
   - ❑ hard

2. Draw a picture of your favorite ice cream on a cone.
   - How to Draw a Cone