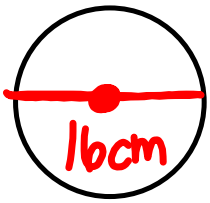
You need out your Warm Up & Agenda

Homework: GREEN SHEET!

Warm Up:

1) Find the area:



$\pi \cdot r \cdot r$

$3.14 \times 8 \cdot 8$

200.96

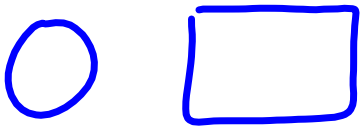
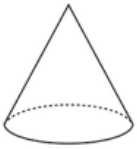
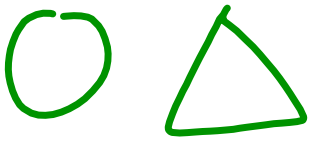
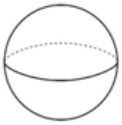
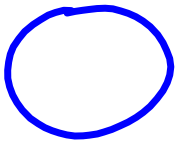
2) Find the area:

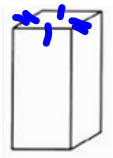
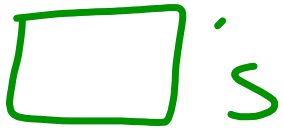
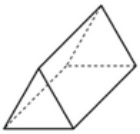
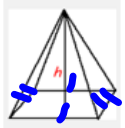
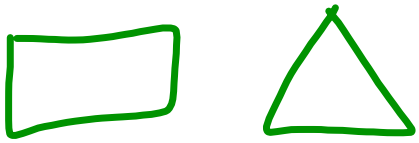
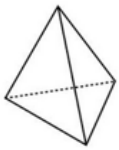
$\frac{\pi \cdot r^2}{2}$

$\frac{3.14 \cdot 14 \cdot 14}{2}$

$\frac{615.44}{2}$

$= 307.72$

3D Shapes	2D Shapes
Cylinder 	
Cone 	
Sphere 	

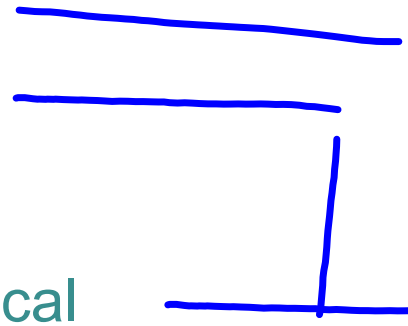
Rectangular Prism 	
Triangular Prism 	
Rectangular Pyramid 	
Triangular Pyramid 	

http://gpb.pbslearningmedia.org/resource/5b3803a7-2e4b-4e9d-8f38-ee2225847422/3d-shapes-into-2d-objects-pbs-math-club/

What does it mean to be-

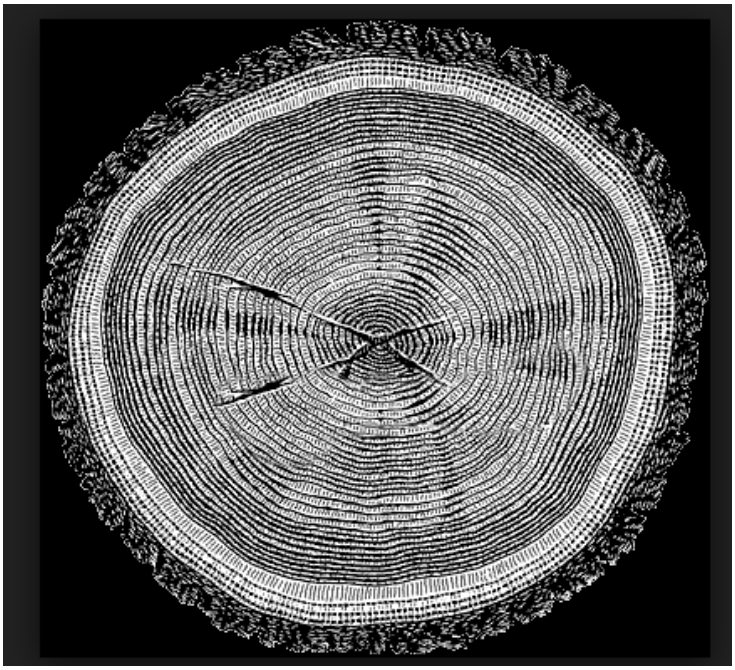
parallel to the base

horizontal



perpendicular to the base

vertical

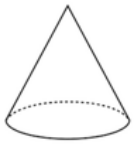
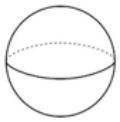


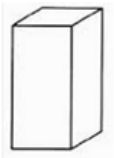
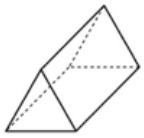

Grzebień
Kieszonka dziąsłowa

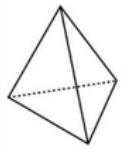
Cross Sections-
Think Like A Fruit Ninja !

Cross Section:
Slice a 3D figure and get a 2D shape

https://www.geogebra.org/m/XCZwsytr

Shape	Vertical	Horizontal
Cylinder 	rectangle	circle
Cone 	triangle	circle
Sphere 	circle	circle

	V	H
Rectangular Prism 	rectangle	rectangle
Triangular Prism 	triangle	rectangle

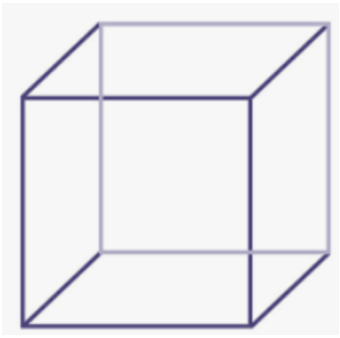
	V	H
Rectangular Pyramid 	triangle	rectangle
Triangular Pyramid 	triangle	triangle

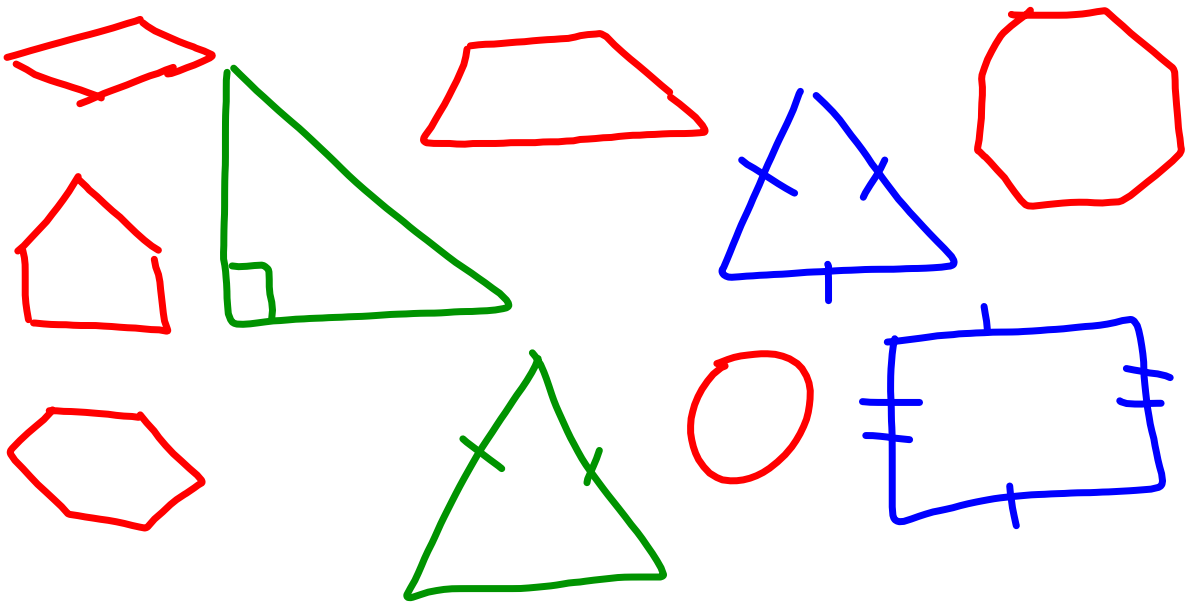
Draw a **Vertical Line**

Draw a **Horizontal Line**

Sit silently for the news

What shapes do you think can be made from a cube?





https://gpb.pbslearningmedia.org/resource/mgbh.math.g.xsection/cross-sections-of-a-cube/

any 2D shape with 6 sides or less can be created from a cube!