

Heritage High School – Distance Learning
Mr. Leong's Geometry Assignment Packet
May 18 – May 22

Due Date: Tuesday, May 26 by 9:00am
Late work will not be accepted

Review p.657 #11, 13, 14, 18-27, 29, 31, 37

Assignment: *Please submit your answers through Clever and the Big Ideas Math site.
Those with limited internet access can email me a scan/photograph of their work.
Those without internet access may submit paper copies to the main office on
Monday from 12-3pm.*

Quiz: 19 question quiz on the volume of 3D shapes.

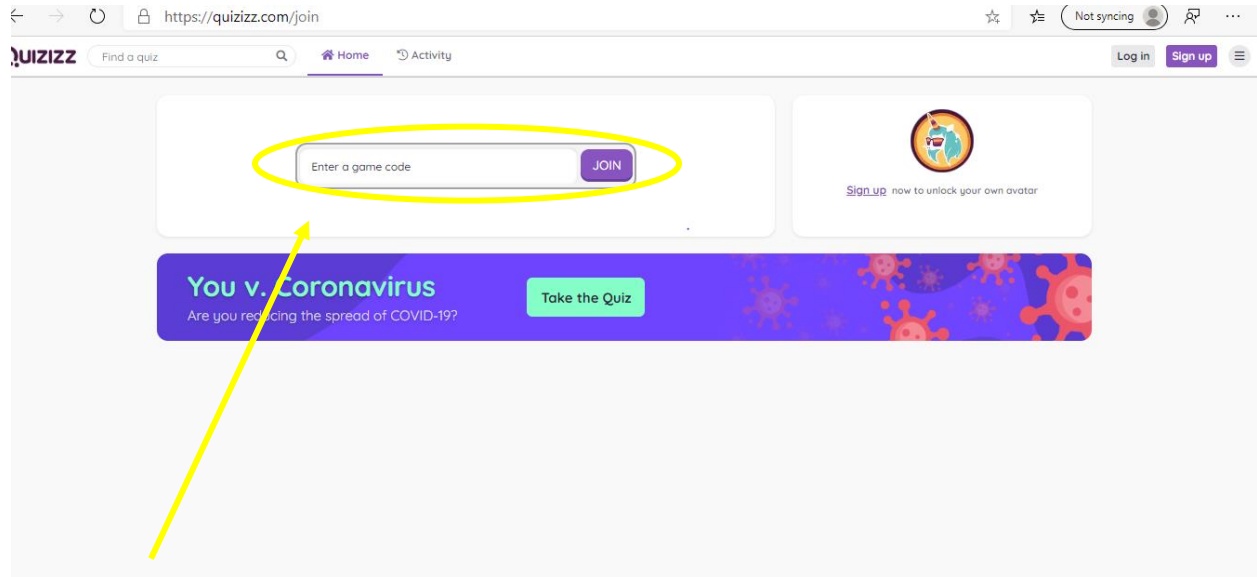
Students with internet access should go to <https://joinmyquiz.com/> and use code 4383378. Please read the directions on the next page on accessing Quizzizz. You will only have 1 attempt on this quiz so you will be prompted to create an account before you take it.

Students with limited internet access can print and complete the quiz (attached). Email me a scan/photograph of your work or submit paper copies to the main office on Monday from 12-3pm.

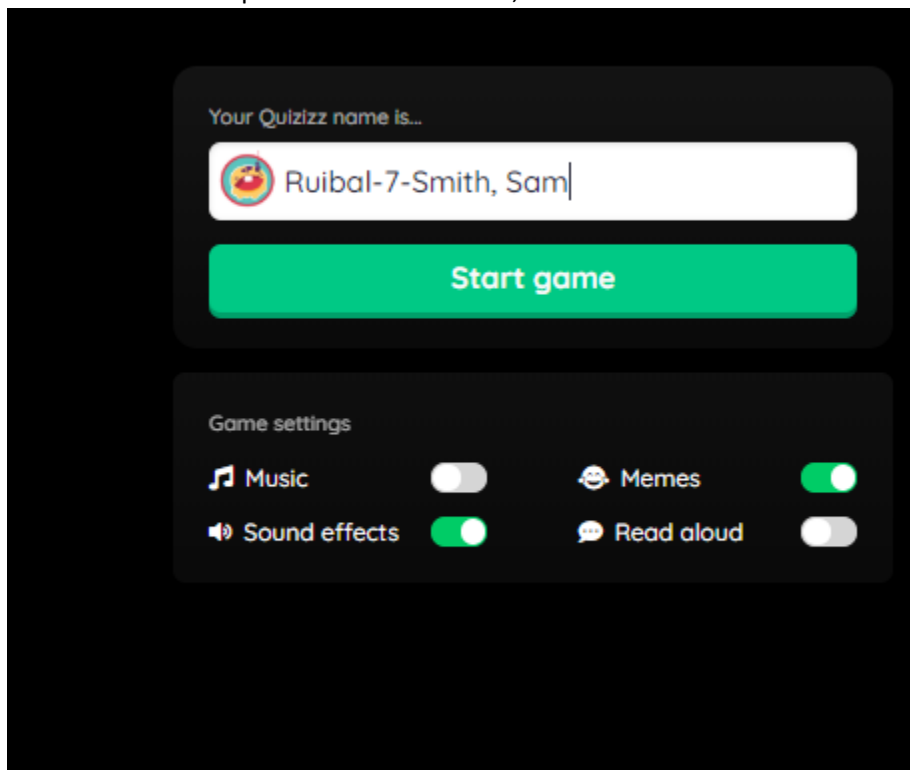
Contact: leongc@luhsd.net
925.634.0037 ext. 6305
Remind @lnsgmnt
Zoom office hours (see my website for links)

Accessing “Quizizz”

- 1) Go to www.joinmyquiz.com



- 2) Enter the game code provided by your teacher
- 3) Click “Join”
- 4) You must use the following convention for your name to receive credit:
Teacher last name- period- Your last name, first name



- 5) Click “Start Game”

Quizizz

Volume (all 3D shapes)

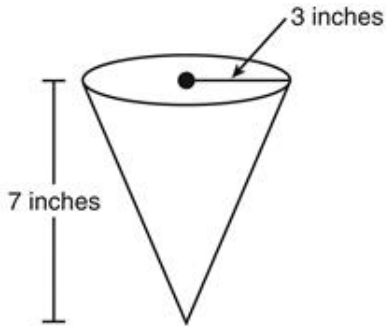
19 Questions

NAME : _____

CLASS : _____

DATE : _____

1.



Mike has a large plastic cup that he is going to fill with water. The plastic cup is in the shape of a cone as shown. Which is closest to the volume of Mike's cup?

☐ a) 22 cubic inches

☐ b) 63 cubic inches

☐ c) 66 cubic inches

☐ d) 198 cubic inches

2. A large sphere at an amusement park is 165 feet in diameter. Which of the following is closest to the volume, in cubic feet, of the sphere? Use $\pi=3.14$.

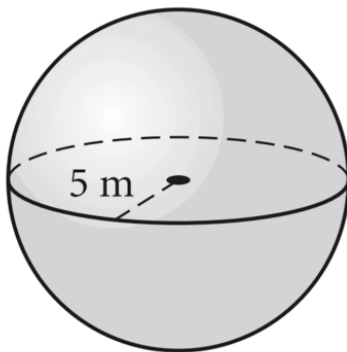
☐ a) 28,496

☐ b) 2,350,879

☐ c) 18,807,030

☐ d) 21,372

3.



Find the volume of the Sphere

☐ a) 104.7 m^3

☐ b) 392.5 m^3

☐ c) 523.3 m^3

☐ d) 78.5 cm^3

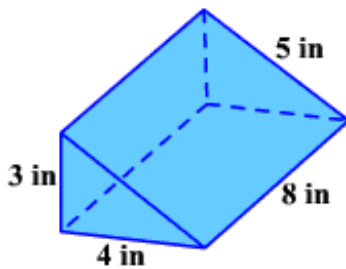
4.



Find the Volume if the height is 10 cm and radius 3 cm?

☐ a) 250☐ b) 200☐ c) 283☐ d) 180

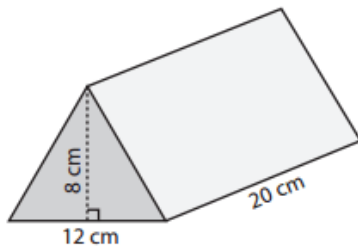
5.



What SHAPE is the base? What is the AREA of the base (B)?

☐ a) Rectangle; 40 in^2 ☐ b) Triangle; 12 in^2 ☐ c) Rectangle; 32 in^2 ☐ d) Triangle; 6 in^2

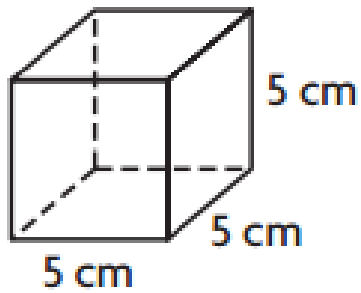
6.



Find the volume:

☐ a) 960 cm^3 ☐ b) 240 cm^3 ☐ c) 96 cm^3 ☐ d) 1920 cm^3

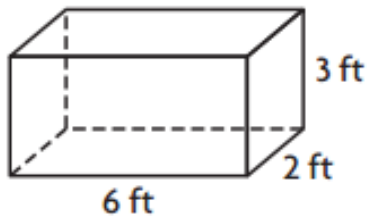
7.



What is the volume of this rectangular prism?

☐ a) 15 cm^3 ☐ b) 125 cm^3 ☐ c) 62.5 cm^3 ☐ d) 25 cm^3

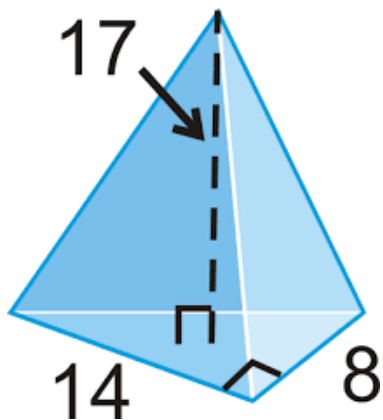
8.



What is the volume of this rectangular prism?

☐ a) 30 ft^3 ☐ b) 36 ft^3 ☐ c) 12 ft^3 ☐ d) 11 ft^3

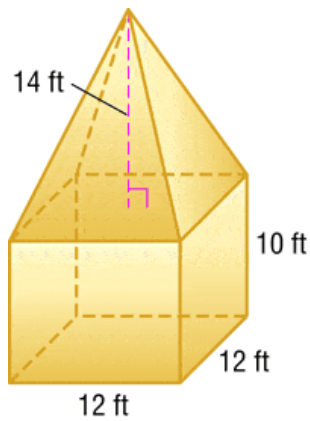
9.



Find the volume of the figure. Round to the nearest whole number.

☐ a) 317 units^3 ☐ b) 635 units^3 ☐ c) $1,904 \text{ units}^3$ ☐ d) 952 units^3

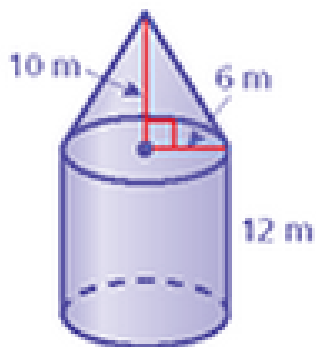
10.



Find the Volume of the composite figure.

- ☐ a) 2448 ft^3
- ☐ b) 1440 ft^3
- ☐ c) 3456 ft^3
- ☐ d) 2112 ft^3

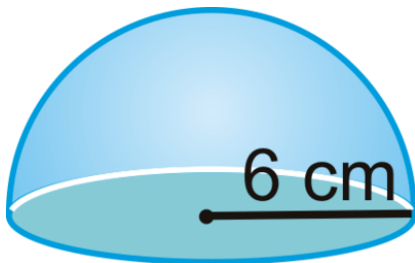
11.



Volume = ?

- ☐ a) $1,356 \text{ m}^3$
- ☐ b) $1,733 \text{ m}^3$
- ☐ c) 2487 m^3
- ☐ d) 590 m^3

12.



Find the volume of the hemisphere

- ☐ a) 904.3 in^3
- ☐ b) 226.1 in^3
- ☐ c) 150.7 in^3
- ☐ d) 452.2 in^3

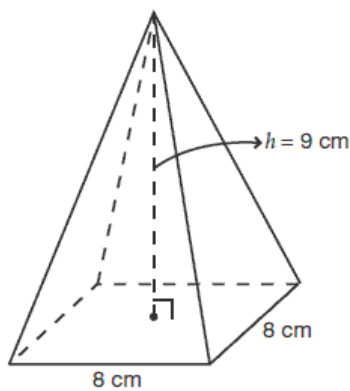
13. I have 2 faces that are triangles and 3 faces that are rectangles

- ☐ a) Triangular Pyramid ☐ b) Rectangular Pyramid
- ☐ c) Triangular Prism ☐ d) Rectangular Prism

14. What is the shape of the base of a cylinder?

- ☐ a) Square ☐ b) Rectangle
- ☐ c) Circle ☐ d) Triangle

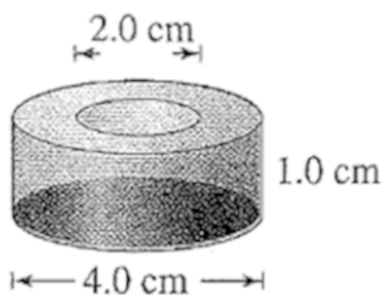
15.



Find the volume of this figure?

- ☐ a) 190cm^3 ☐ b) 200cm^3
- ☐ c) 140cm^3 ☐ d) 192cm^3

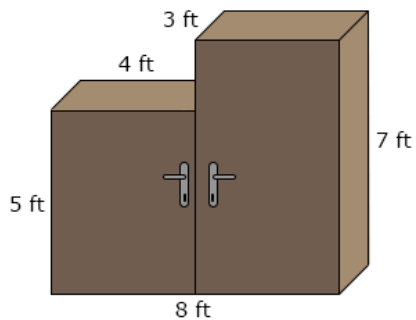
16.



Find the volume of the roll of duct tape. HINT: Need the radius for both parts of the cylinder sections, and subtract out the center volume.

- ☐ a) 7.2 ☐ b) 9.4
- ☐ c) 15.3 ☐ d) 21.6

17.



Jack has a wardrobe with two compartments shaped like rectangular prisms. What is the volume of his wardrobe?

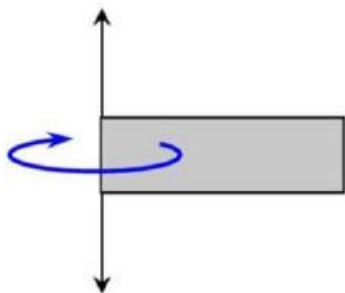
☐ a) 144 cubic feet

☐ b) 328 cubic feet

☐ c) 168 cubic feet

☐ d) 248 cubic feet

18.



What 3-D solid is formed when this rectangle is rotated about the vertical line?

☐ a) Right, rectangular prism

☐ b) Right, circular cylinder

☐ c) Right, oval cylinder

☐ d) Right, square prism

19.



Describe the cross section.

☐ a) rectangle

☐ b) trapezoid

☐ c) oval

☐ d) parallelogram