American Syllabus (SY 2016-2017)
International Jubilee Private School

Term 1

Math H.W List: 5 Date: Oct 10, 2016
Grade/Section: 8A & B WEEK: 5

(You must write the formula with the steps)

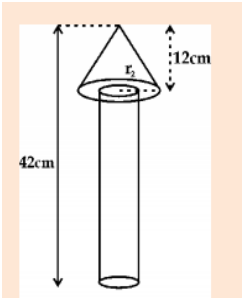
(solve your homework in your portfolio, submit it on Monday Oct13,2016)

Open the link below and Watch the video then write the formula as mentioned in the video.

https://www.youtube.com/watch?v=KdQi3Q1teZU

https://www.youtube.com/watch?v=dtgHBVRHI1E

Question 1:-



Toy rocket is in the shape cylinder surmounted by cone as shown in Fig 1.

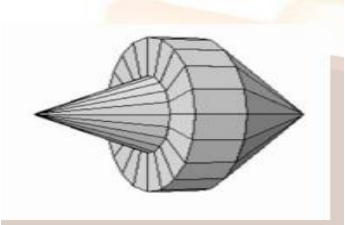
The radius of the cylinder and cone are 2cm and 5cm respectively.

Height of the toy is 42cm. Find the total surface area of the toy

Find the total volume of the toy. (use π =3.14)

Question 2:-

A company manufactures toys of the following shape. The height of left conical part is 7 cm and radius is 3.5 cm. The radius of the cylindrical part is 7 cm and the height is 2 cm. The total height of the toy 75 is 12.5 cm. How much paint is required to paint 225 such toys?



Question 3:-

The circumference of the base of a right circular cylinder is 176 cm and it is 1 m high.

Find the volume of the cylinder.

SAT sample question

The recommended daily calcium intake for a 20-year-old is 1,000 milligrams (mg). One cup of milk contains 299 mg of calcium and one cup of juice contains 261 mg of calcium. Which of the following inequalities represents the possible number of cups of milk m and cups of juice j a 20-year-old could drink in a day to meet or exceed the recommended daily calcium intake from these drinks alone?

Select an Answer

A

$299m + 261j \geq 1{,}000$

B

$299m + 261j > 1{,}000$

C

$\frac{299}{m} + \frac{261}{j} \geq 1{,}000$

D

$\frac{299}{m} + \frac{261}{j} > 1{,}000$

Noted:-

- Starting from next week bring awhite board and amarker with you.

-Prepare the lesson (4-1) unit rate for next week.