

What's Going On?

Checking In

Minds on

Questions to Take Up?

Action!

Two Aquayo Questions

Consolidation

It's a Race!

Learning Goal - I will use my measurement knowledge and skills to solve different types of problems.

Checking In

Test

Tomorrow!

Outstanding Assignments

Geometry Assignment (previous unit)

- Cole N
- Leah

Measurement Assignment (10 questions)

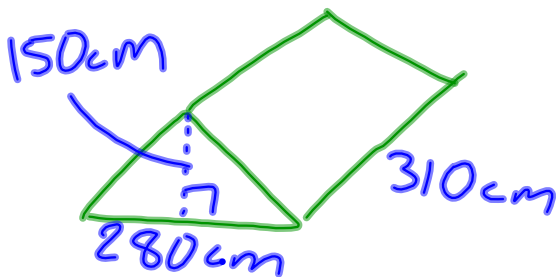
- Several people

Minds on

Questions to Take Up?

Do you have any homework questions that you would like me to take up?

Pg 471 #6

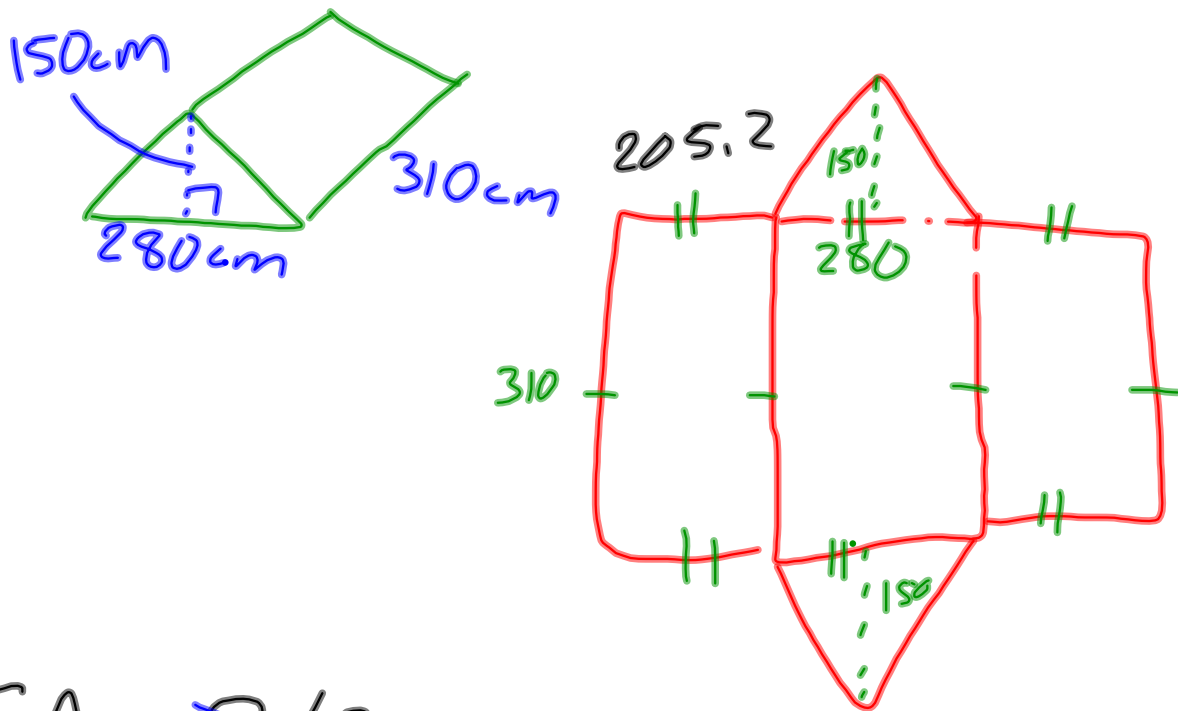


$$V = A_{\text{BASE}} \times h$$

$$V = \frac{280 \times 150}{2} \times 310$$

$$V = 21000 \times 310$$

$$V = 6,510,000$$



$$SA = 2 \left(\frac{280 \times 150}{2} \right) + (310 \times 280)$$

$$\therefore + 2(205.2 \times 310)$$

Cone

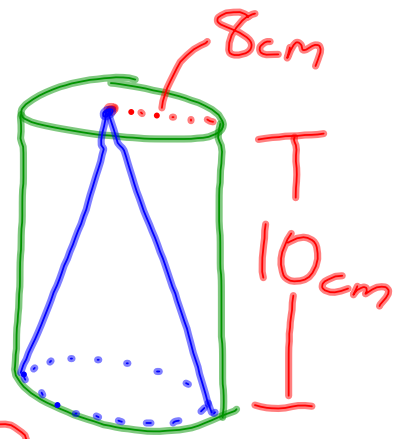
$$r = 8$$

$$h = 10$$

$$V = \frac{\pi r^2 h}{3}$$

$$V = \frac{\pi (8)^2 \times 10}{3}$$

$$V = 670.2$$



Cone

$$V = 67 \text{ cm}^3$$

$$d = 6 \text{ cm}$$

$$\begin{array}{|c} \div 2 \\ \hline h = ? \\ \hline \end{array}$$

$$\underline{r = 3}$$

$$V = \frac{\pi r^2 h}{3}$$

$$67 = \frac{\pi (3)^2 h}{3}$$

$$67 = \frac{\pi \times 9 \times h}{3}$$

$$3 \times 67 = \frac{28.26 \times h}{3} \times 3$$

$$\frac{201}{28.26} = \frac{28.26 \times h}{28.26}$$

$$h = 7.11$$

$$V = \frac{\pi r^2 h}{3}$$

$$V = 235.6$$

$$h = 9$$

$$r = ?$$

$$3 \times 235.6 = \frac{\pi r^2 (9)}{3} \times 3$$

$$\frac{706.8}{\pi \times 9} = \frac{\pi r^2 \times 9}{\pi \times 9}$$

$$\sqrt{25} = \sqrt{r^2}$$

$$5 = r$$

$$3 \times 67 = \frac{\pi (3)^2 h}{3} \times 3$$

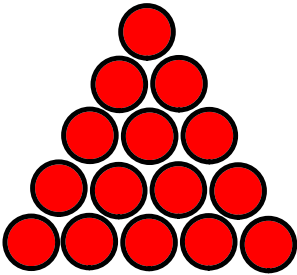
$$\frac{201}{(\pi \times 9)} = \frac{\pi (3)^2 h}{\pi \times 9}$$

$$\frac{201}{28.26} = h$$

$$7.11 = h$$

There are 15 pool balls in a normal rack.
 If the circumference of a single ball is 12 cm,

- a) What is the surface area of all the balls combined?
 b) What is the volume of all the balls combined?



$$C = 2\pi r$$

$$\frac{12}{(2 \times \pi)} = \frac{2\pi r}{(2 \times \pi)}$$

$$\frac{12}{6.28} = r$$

$$r = 1.9$$

$$a) SA = 15 \times 4\pi r^2$$

$$SA = 60\pi (1.9)^2$$

$$SA = 680.5 \text{ cm}^2$$

$$b) V = 15 \times \frac{4}{3} \pi r^3$$

$$V = 15 \times \frac{4}{3} \times \pi \times 1.9^3$$

$$V = 431 \text{ cm}^3$$

Consolidation

It's a Race! Kind of...

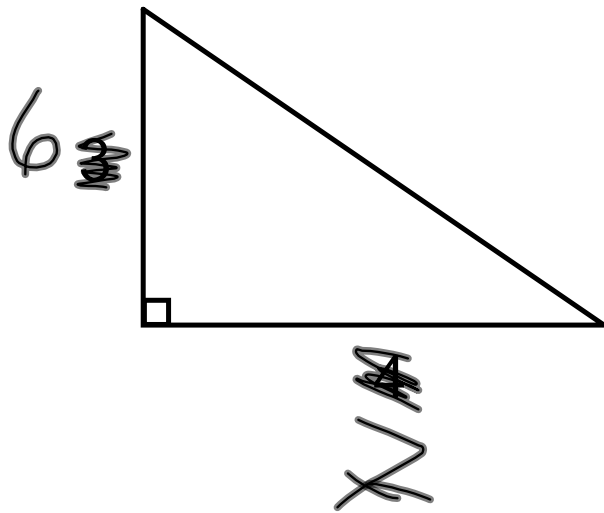
If you get the correct answer in half the given time or less you get double points.

If you get the correct answer before the time is up, regular points.

The winning pair will get a Tim Horton's treat with their test tomorrow.

Consolidation**1 Point**

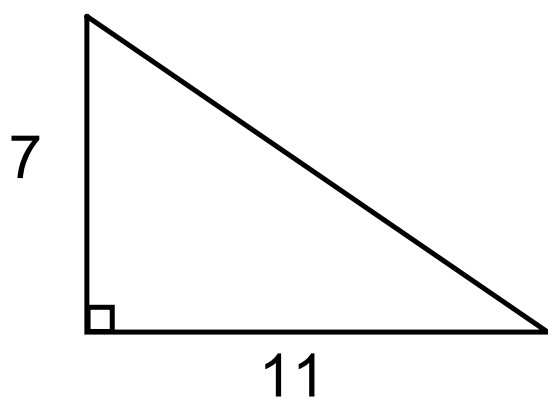
Find the length of the missing side.



$$6^2 + 7^2 = c^2$$
$$\sqrt{85} = \sqrt{c^2}$$
$$c = 9.2$$

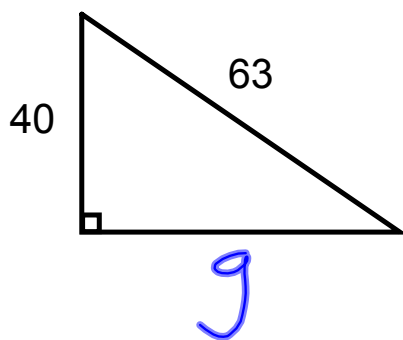
Consolidation**2 Points**

Find the length of the missing side.



Consolidation**3 Points**

Find the length of the missing side.



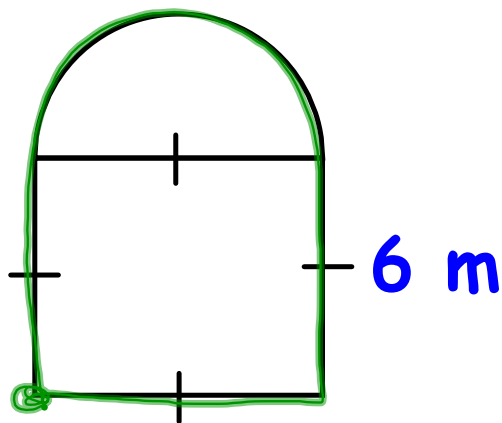
$$g^2 = 63^2 - 40^2$$
$$\sqrt{g^2} = \sqrt{2369}$$
$$g = 48.7$$

Consolidation

4 Points



Find the perimeter.
USE PROPER UNITS



$$P = 6 + 6 + 6 + \frac{2\pi r}{2}$$

$$P = 18 + \pi(3)$$

$$P = 18 + 9.42$$

$$P = 27.42$$

Consolidation

Homework

STUDY

BRING IN YOUR **COMPLETED** HOMEWORK
LOGS TOMORROW