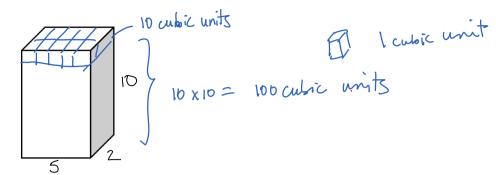
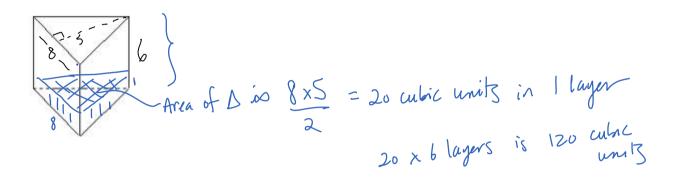
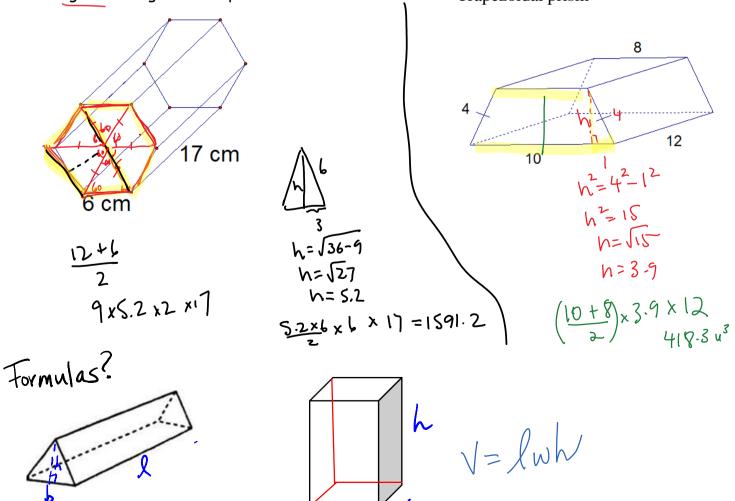
Discuss how to find Volume given a prism.....(layers of base with height 1)

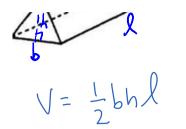


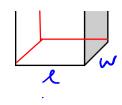


Regular hexagon based prism:

Trapezoidal prism





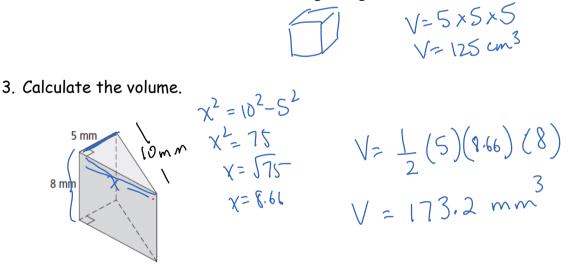


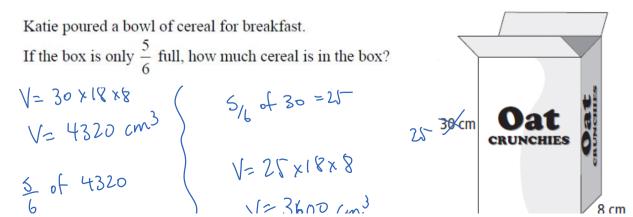


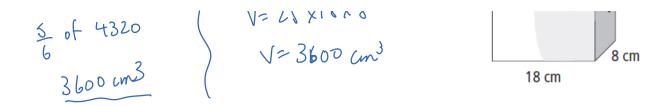
Formula for calculating the volume of a prism:

V = (area of base) x height of prism

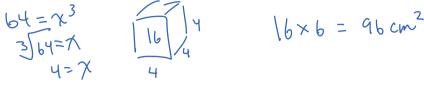
- 1. Calculate the volume h = 4 cm $V = 3 \times 2 \times 4$ V = 24 cm V = 24 cm
- 2. Calculate the volume of a cube with edge length 5 cm.





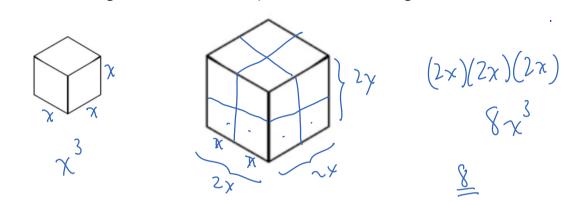


5. If the volume of a cube is 64 cm^3 , find the total surface area in cm².

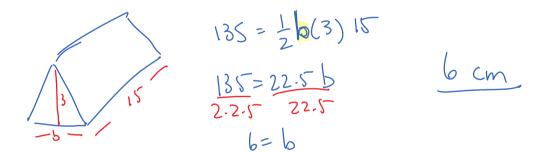


6. The sides of a cube are doubled in length to form a larger cube. Find the

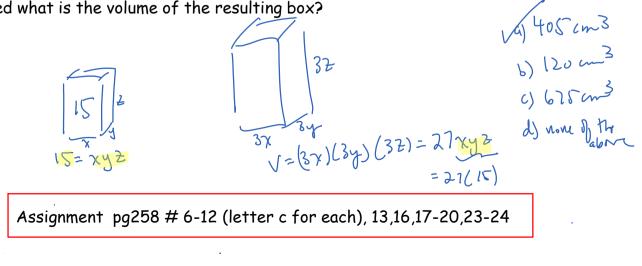
number of original small cubes required to fill the larger cube.



7. A triangular prism has a volume of 135 cm³. If the height of triangle is 3 and the height of the prism is 15, find the length of the base of the triangle.



8. A rectangular box has volume 15 cm³. If the length, width, and height are tripled what is the volume of the resulting box?



(astdaws in ight hed help with.
p181 #13.
one roll is the area of the roll.

$$SA = 20x^{2} + 2\pi rh$$

 $= 2(3.14)(4)(21)$
 $= 527.52 cm^2$
 $2\pi r$ 527.52
 $after 10 rolls$
 $a) = 10 \times 527.52$
 $Total area in $x \le 27.52$
 $b) = 5275.5 mn^2$$