ain stockpile cover in the shape of a con

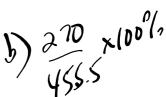
- 4. A grain stockpile cover in the shape of a cone has a diameter of 96 m and a height of 23 m. How much material is needed for the cover?
 - b) A one-gallon can of the stain that Darcy is using covers approximately 225 ft². If Darcy applies 2 coats of stain, how many cans of stain 2

$$5^2 = 23^2 + 48^2$$

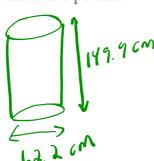
 $5 = 53.2$

$$8026.3 \text{ m}^{2} \times \frac{3.2808 \text{ Ct}}{/\text{m}^{2}}$$

4. A hot water tank consists of a heavy steel tank, a layer of insulation, and an outer shell. The outer dimensions of a cylindrical hot water tank are 62.2 cm diameter and 149.9 cm height, and the rated water capacity is 270 L.



- a) What is the total volume, in litres, of the hot water tank?
- b) Compare the total volume of the hot water tank to its rated capacity, expressed as a percent.



$$V = \pi(^{2}h)$$

$$V = \pi(^{31.1})^{2}(149.9)$$

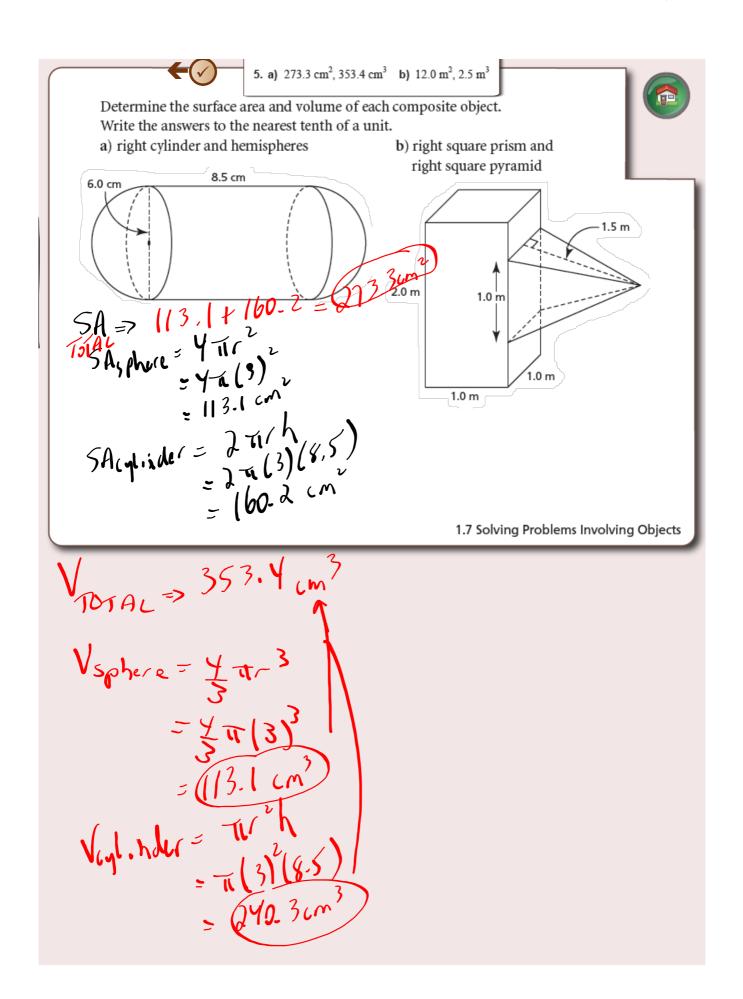
$$V = \pi^{(31.1)}^{2*149.9}_{455483.1166}$$

$$V = 455483.1166$$

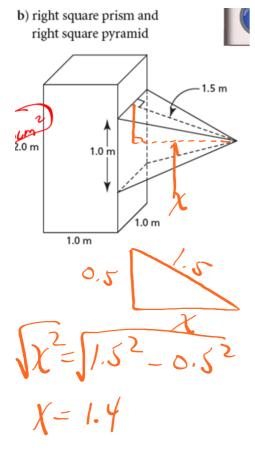
$$V = 455483.1166$$

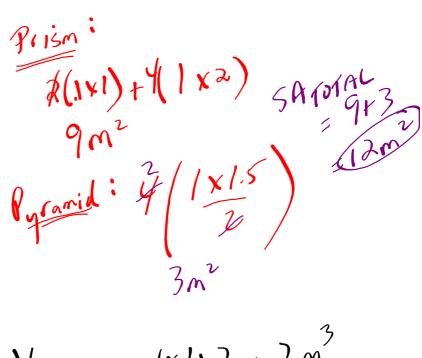
$$V = 1000 \text{ (m)}$$

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Vprism =>
$$(x/x)^2 = 2m^3$$
Vprism => $(|x|)x/y = 0.47m^3$
Vrath => $(2x/3)^3 = 2m^3$
Vrath => $(2x/3)^3 = 2m^3$

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