

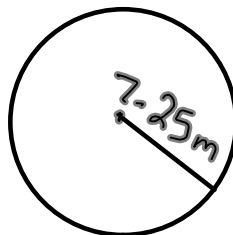
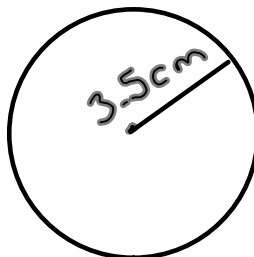
Circumference of a circle

$$\pi d \text{ or } \pi 2r$$

area of a circle

$$\pi r^2$$

Find the circumference
and area

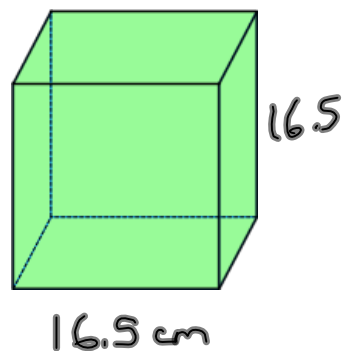
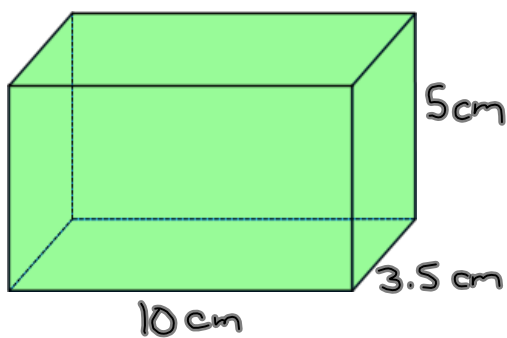


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Surface Area = area of all faces

What strategies did you use?

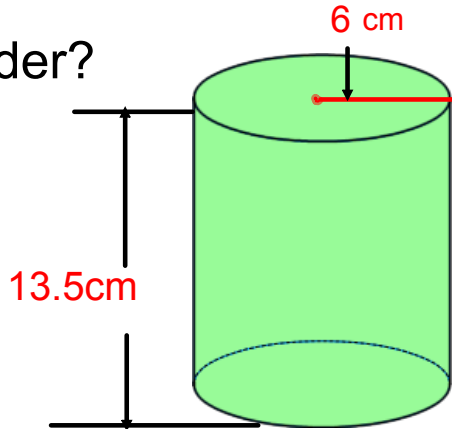
Find the surface area (nearest tenth of a cm)



$$\begin{aligned} \text{Front} &= 10 \text{ cm} \times 5 \text{ cm} \\ \text{Bottom} &= 10 \times 3.5 \\ \text{Side} &= 5 \times 3.5 \end{aligned}$$

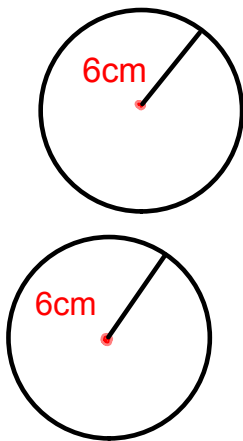
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How would you find the surface area of a cylinder?

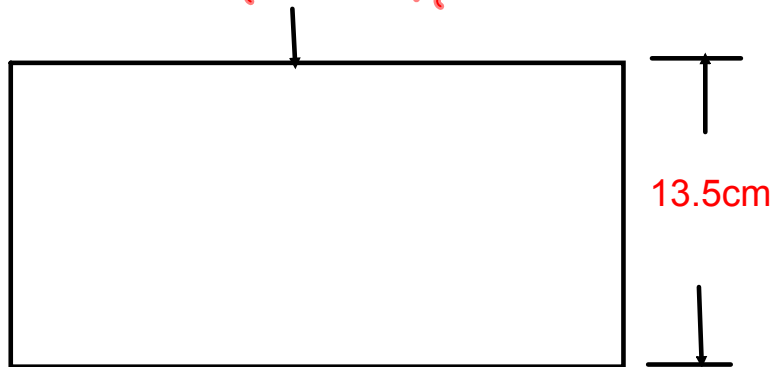


What are the different parts?

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Circumference of the circle
 πd or $\pi 2 r$



Area of circle # 1 = πr^2

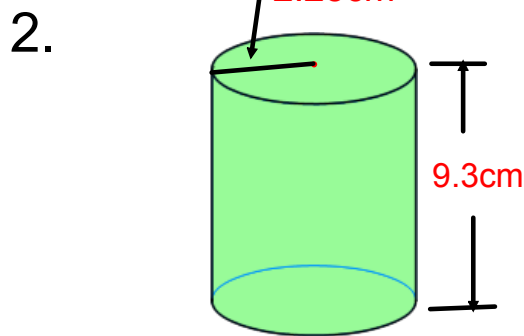
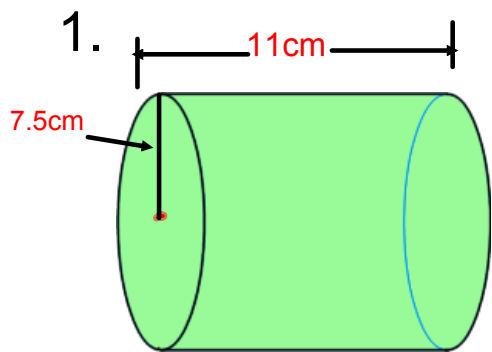
Area of circle # 2 = πr^2

or $2 \times \pi r^2$

Area of the rectangle = $\pi d \times h$

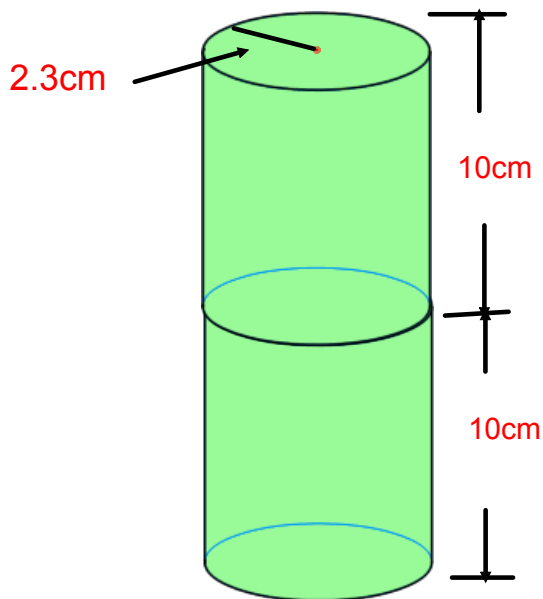
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Find the Surface Area (nearest tenth of a cm)



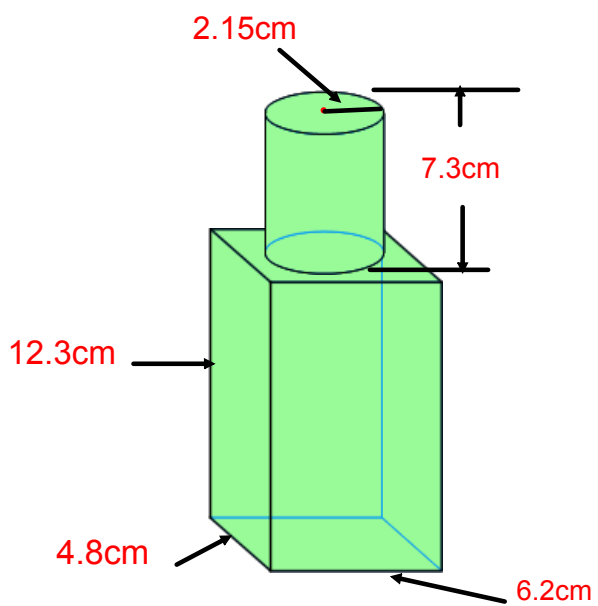
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How is finding the surface area for this different?
Are there parts that are not included in the total surface area?



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Find the surface area to the nearest tenth of a cm



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