

Body Surface Area (BSA) a metric activity

14

Do this in pairs: Need This Sheet and a 100 cm metric tape (see template provided).

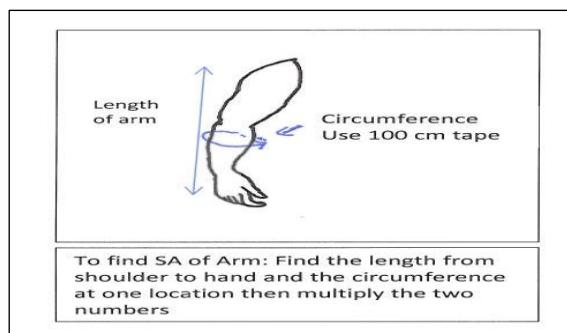
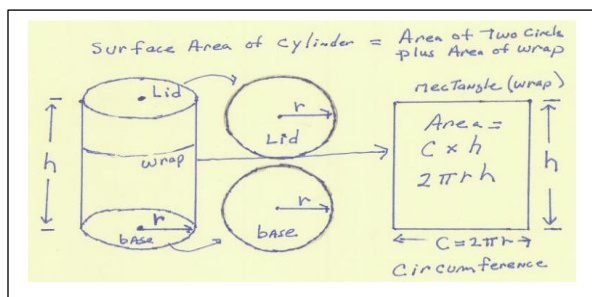
WHAT IS THE AREA OF YOUR SKIN in cm^2 ?

Take a wild guess!!! _____

To find the surface area of your skin view each part of your body as a cylinder.

The Surface Area of a Cylinder is $2\pi rh + 2\pi r^2$

(the around part) + (the top and bottom)



1. HEAD $C =$ _____; $L =$ _____; $C \times L =$ (C = Circumference and L = Length)

2. ARMS $C =$ _____; $L =$ _____; $C \times L =$ _____ by 2 =
Do one arm and multiply by 2

3. LEGS $C =$ _____; $L =$ _____; $C \times L =$ _____ by 2 =
Do one leg and multiply by 2

4. FINGERS $C =$ _____; $L =$ _____; $C \times L =$ _____ by 10 =
Do one finger and multiply by 10

5. FOOT $C =$ _____; $L =$ _____; $C \times L =$ _____ by 2 =
Do one foot and multiply by 2

6. TORSO $C =$ _____; $L =$ _____; $C \times L =$

Add 1 – 6 to get a Total:

TOTAL APPROXIMATE AREA OF YOUR SKIN IS

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Hint: Think "Cylinder" Average Area of Skin for a young Adult is approximately $16,500 \text{ cm}^2$