

1 DON'T BURN



1 cm squared paper

In order to treat patients with burns, doctors need to know the area of the skin that has been burned.

First they find the area of a person's palm (not including the fingers) and then use this chart to find the area of other body parts.

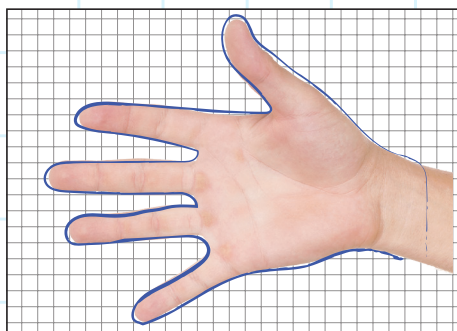
What do you think the doctors do with this information?

Example Radley's palm was 115 cm^2 .

$$\begin{aligned} \text{His arm is } 9 \times 115 &= (9 \times 100) + (9 \times 10) + (9 \times 5) \\ &= 900 + 90 + 45 \\ &= 990 + 45 \\ &= 1035 \text{ cm}^2 \end{aligned}$$

Part of body	Number of palms
Arm	9
Body front	18
Body back	18
Head	9
Leg	18

- 1 Draw around your hand on 1 cm squared paper.



- 2 Find the area of your palm by counting squares.
- 3 Work out the skin area of the other parts of your body using the chart. Fill in this table of your results.
- 4 Draw around the other hand and find its area by counting squares. Is it the same area as your first hand?
- 5 Do two people who have about the same sized hands have the same sized feet? Test by drawing around hands and feet on squared paper.

Part of body	Number of palms
Arm	
Body front	
Body back	
Head	
Leg	

