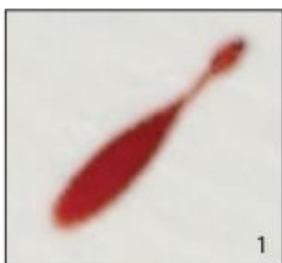


Bloodstains – Angle of impact i

Measure the width and length of each bloodstain. Calculate the **angle of impact (i)** using the calculator <https://www.mathsisfun.com/scientific-calculator.html>.

The formula to calculate the angle of impact is: $\sin^{-1}(W/L)$

To calculate the angle of impact divide the width of the blood stain by the length of the blood stain (W/L) and hit equals. Then type in the answer and hit the \sin^{-1} button to get the angle of impact. The first one has been done for you.

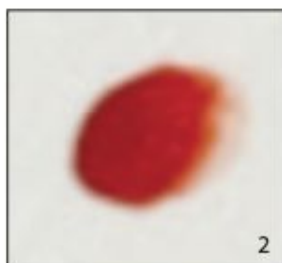


$$W = 0.6 \text{ cm}$$

$$L = 2.4 \text{ cm}$$

$$W/L = .25$$

$$i \text{ (angle of impact)} = 14^\circ$$



$$W = 1.8 \text{ cm}$$

$$L = 2.5 \text{ cm}$$

$$W/L =$$

$$i =$$



$$W = 1.0 \text{ cm}$$

$$L = 2.4 \text{ cm}$$

$$W/L =$$

$$i =$$



$$W = 0.8 \text{ cm}$$

$$L = 2.0 \text{ cm}$$

$$W/L =$$

$$i =$$



$$W = 0.9 \text{ cm}$$

$$L = 2.8 \text{ cm}$$

$$W/L =$$

$$i =$$



$$W = 0.6 \text{ cm}$$

$$L = 2.0 \text{ cm}$$

$$W/L =$$

$$i =$$

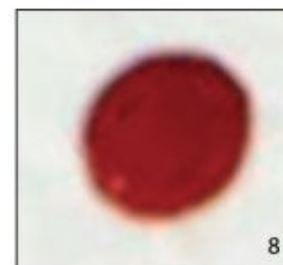


$$W = 1.5 \text{ cm}$$

$$L = 2.7 \text{ cm}$$

$$W/L =$$

$$i =$$



$$W = 2.0 \text{ cm}$$

$$L = 2.6 \text{ cm}$$

$$W/L =$$

$$i =$$