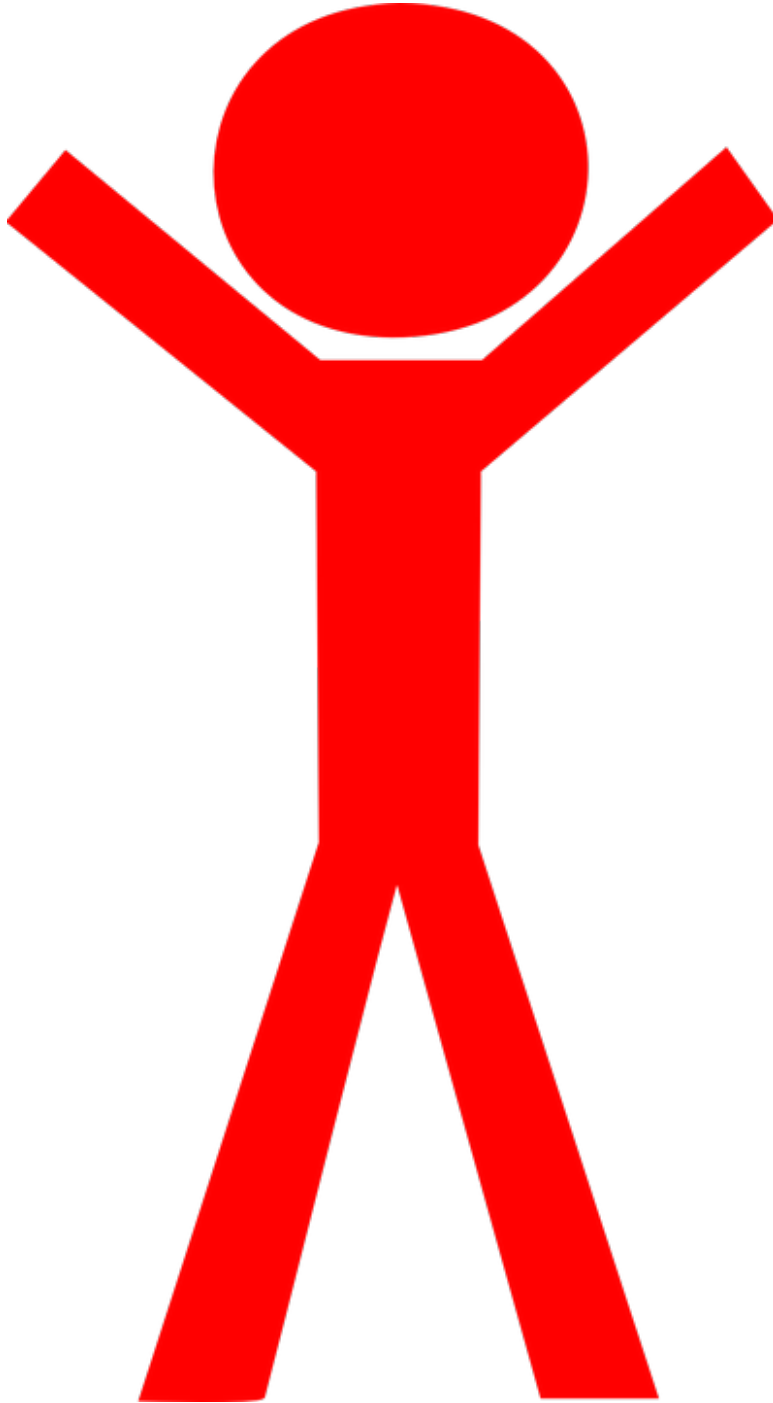


# **UK CRIME LAB - EVIDENCE FILE**

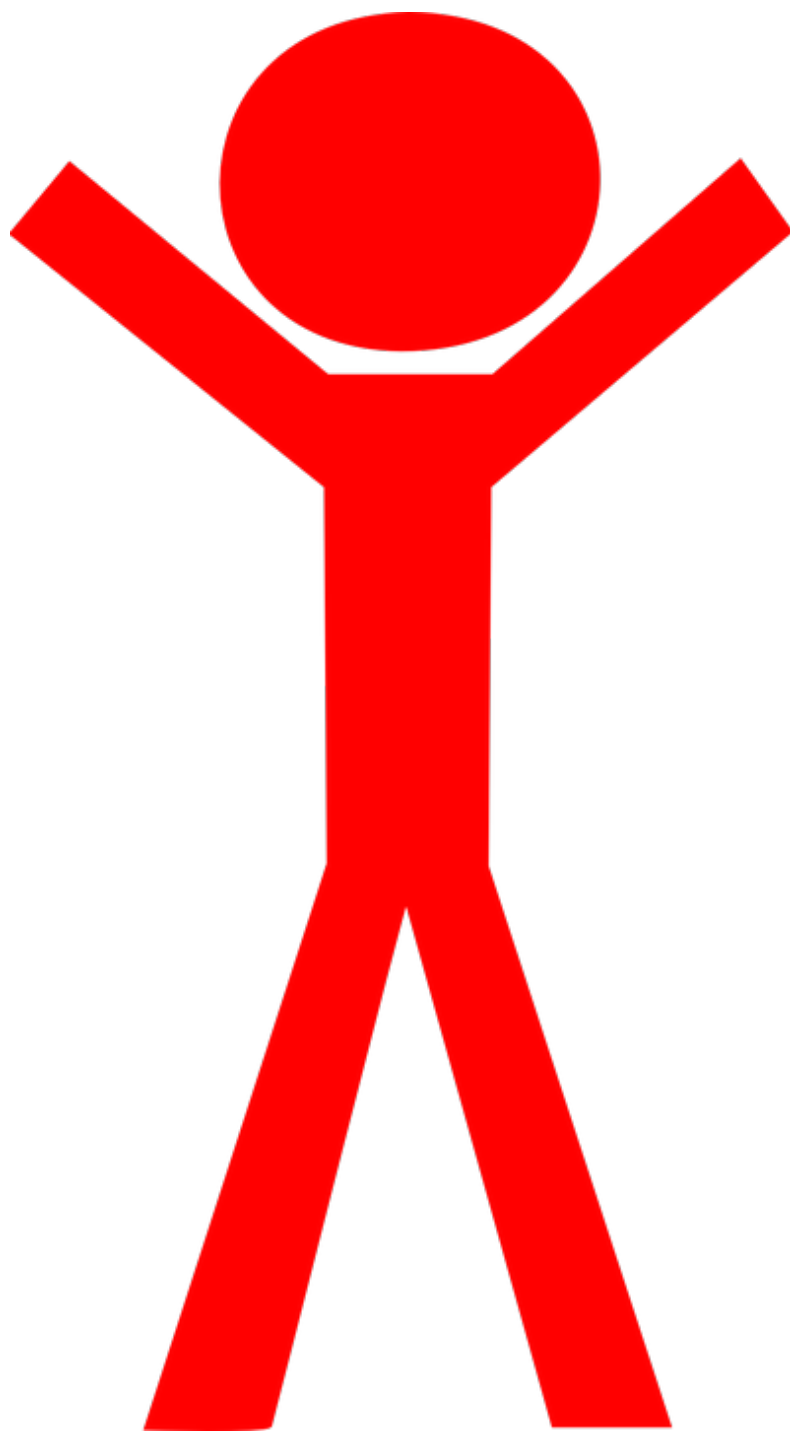


## **SUSPECT SCALED OUTLINES**

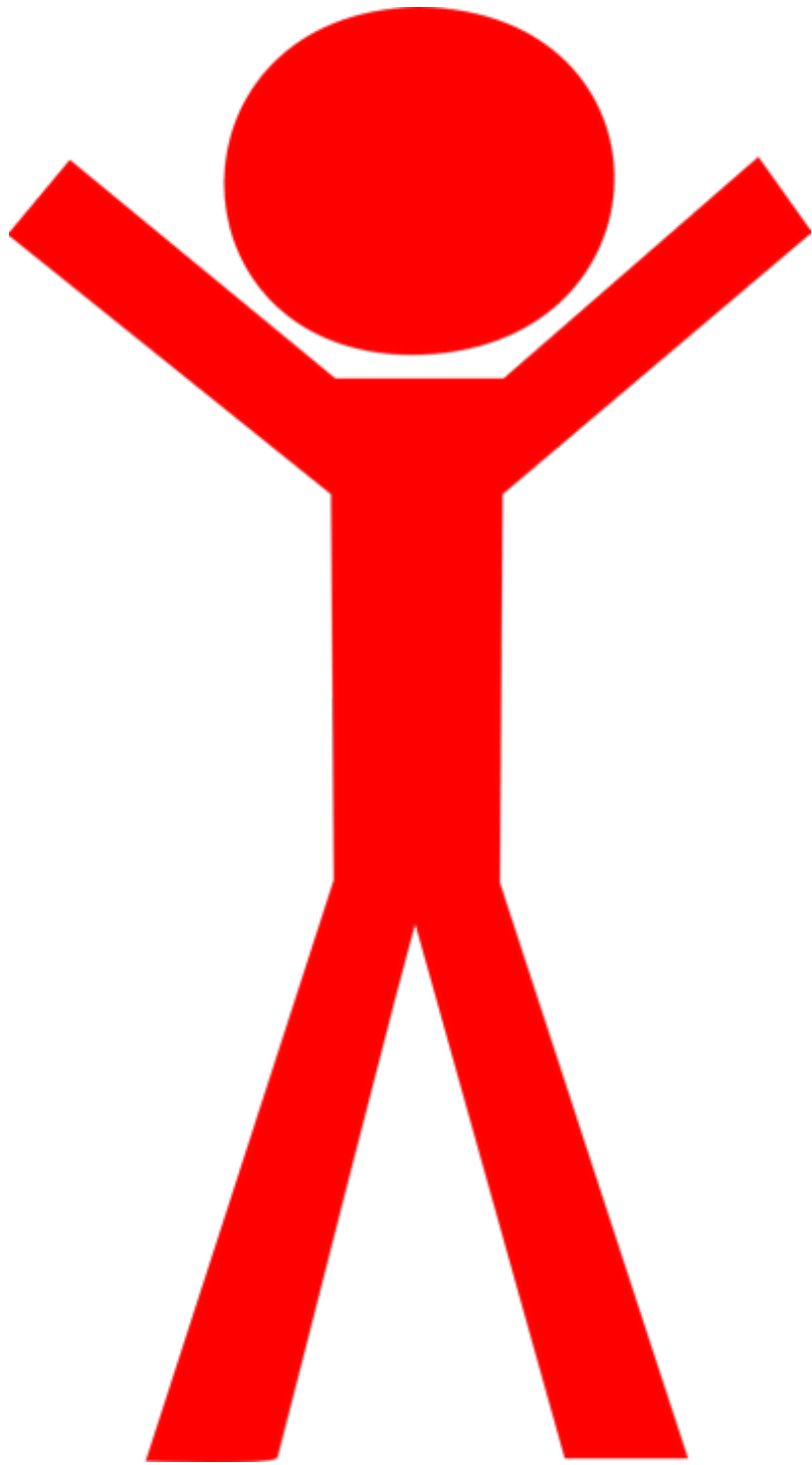
Heights converted to cm (see session 2) and  
drawn with a ratio of 1cm = 10cm)



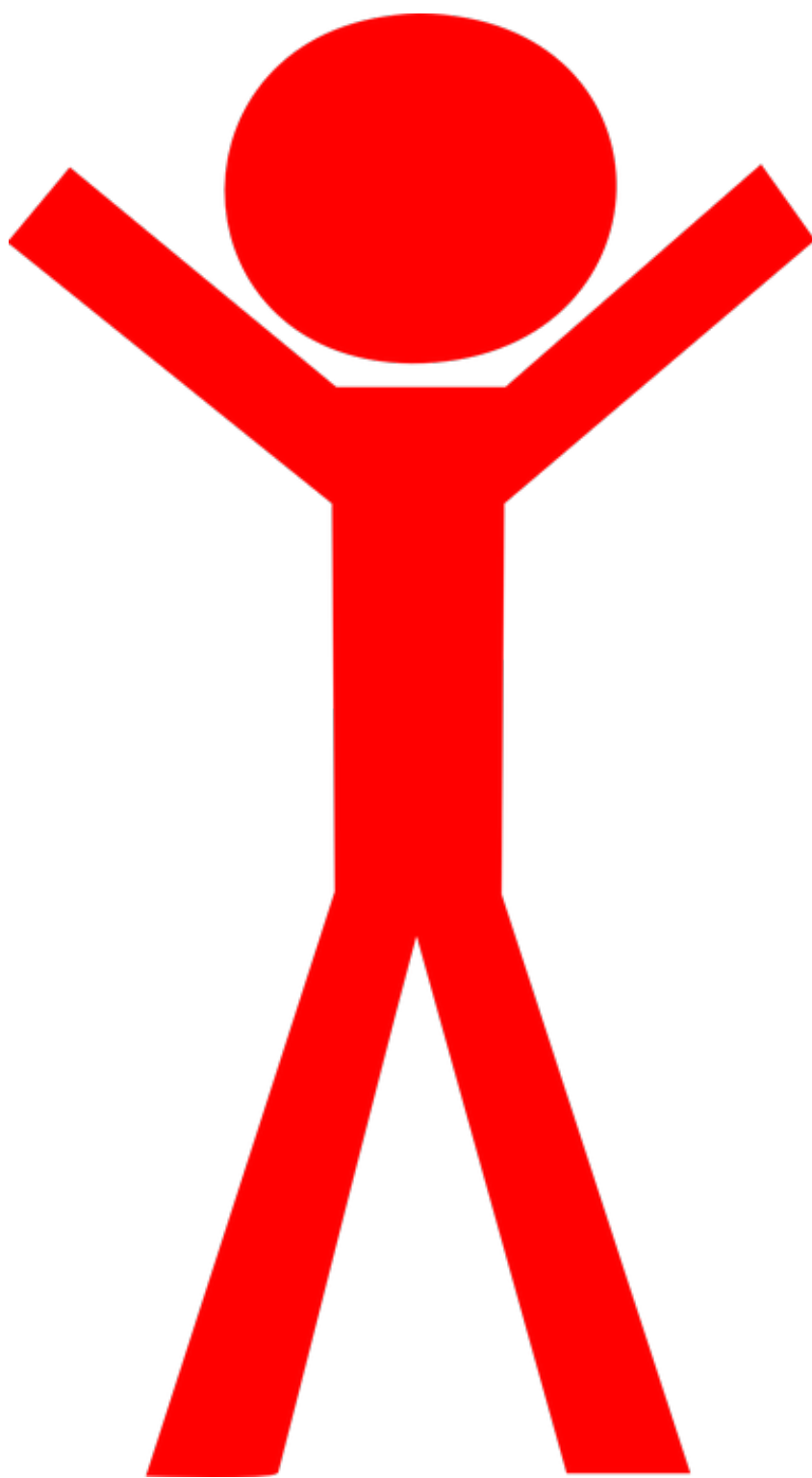
Anaya Jindal - 5ft 9



Hannah Jackson - 5ft 10



Oliver Browning - 6ft



Craig Ray - 6ft 3

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## **SHADOW DATA**

### **First sighting**

Distance from light source: 1m

Estimated length of shadow on the ground: 1.8m

### **Second sighting**

Distance from light source: 2m

Estimated length of shadow on the ground: 3m

### **Third sighting**

Distance from light source: 3m

Estimated length of shadow on the ground: 5.5m

***Remember to use a scale ratio of 1cm: 10cm***

***Margin of error: approximately 10cm***

# UK CRIME LAB - EVIDENCE FILE



## SHADOW DATA

### First sighting

Distance from light source: 1m

Estimated length of shadow on the ground: 1.8m

### Second sighting

Distance from light source: 2m

Estimated length of shadow on the ground: 3m

### Third sighting

Distance from light source: 3m

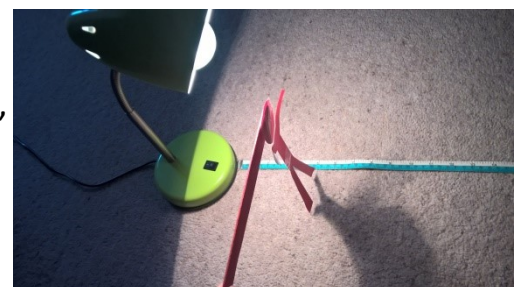
Estimated length of shadow on the ground: 5.5m

***Remember to use a scale ratio of 1cm: 10cm***

***Margin of error: approximately 10cm***

## Note for teacher

Get the children to set up an investigation using a light source (table lamp or torch), the suspect outlines, and a tape measure. To ensure the light source is in the 'correct' position, use Hannah Jackson (5ft 10) as a starting point and get the children to set up the experiment based on her 'results' (which are around 18cm, 38cm and 63cm respectively for each of the sightings from 1-3). This will get the positioning of the light source correct in order to measure the possible shadows for the other suspect outlines. Children can then measure the possible lengths of the shadows for each suspect (this will need to use the scaled ratio given of 1cm : 10cm).



Craig's shadows, when measured, should be a long way outside the parameters (+/- 10cms or so).

- *You must get the light source in the right position and angle.*
- *You should move the puppet further from the light source without moving the light.*
- *The shadow should be measured on the ground.*

## Sample line graphs

Predict: Which of these graphs do you think your own graph will look like?

