


Delta is surprised that the bullet came through such a small gap. She decides to work out the angles (to the horizontal) of the highest and lowest paths the bullet could have followed to enter the room

What strategies do you think Delta used to work out the angles shown on her sketch (Fig.1)? Use your own strategies to
work out angles $A$ and $B$ (the angles to the horizontal) marked on her sketch. You may choose to draw your own accurate drawing or do some calculations to work this out.

5The President had been sitting directly opposite the window about 1 metre from the West wall of the room. When
standing, the President's height is 6 foot 1 inch, but when sitting his head is 40 cm lower. What do you think might have happened if he had been sitting closer to the West wall. and why?

Delta goes into the garden to see where the assassin must have been standing when he or she fired the shot. A witness tells her that he saw a person, dressed in green, standing

## Criminally <br> good

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Develop higher-order thinking skills, particularly reasoning and logic
Stimulate speaking and listening around maths problems

Provide children with a focus for using and applying maths

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