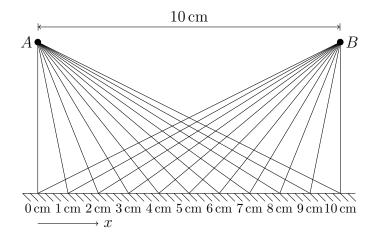
On Reflexion

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1. The diagram below shows various paths, all of which travel from A to B via a mirror.



(a) Copy the diagram out full size, and measure the path lengths A-B for the various paths from A to B in the diagram below, as the position x along the mirror is varied, and record your results in a table.

x/cm	A- B /cm

- (b) Plot a graph of the length A-B on the y-axis and the position x on the x-axis.
- (c) What can you say about the path that light would follow, according to the law of reflexion?
- (d) Extension: Can you calculate the values—perhaps on a computer!—and model it this way?





