8 A student applied a tensile force to a metal wire of length x and diameter d.

The length of the wire increased by Δx.

The student applied the same force to a second wire made of the same material.

The length of the second wire increased by $2\Delta x$.

Which row of the table could show the length and diameter of the second wire?

		Length	Diameter
☒	**A**	$0.5x$	$0.5d$
☒	**B**	$0.5x$	$2d$
☒	**C**	$2x$	$0.5d$
☒	**D**	$2x$	$2d$

(Total for Question 8 = 1 mark)