5 The density of the material of a rectangular block is determined by measuring the mass and linear dimensions of the block. The table shows the results obtained, together with their uncertainties.

mass	=	(25.0 ± 0.1) g
length	=	(5.00 ± 0.01) cm
breadth	=	(2.00 ± 0.01) cm
height	=	(1.00 ± 0.01) cm

The density is calculated to be 2.50 g cm^{-3}.

What is the uncertainty in this result?

A ± 0.01 g cm^{-3} **B** ± 0.02 g cm^{-3} **C** ± 0.05 g cm^{-3} **D** ± 0.13 g cm^{-3}

6 A football is dropped from the top of a tall building.

Which acceleration-time graph best represents the motion of the football through the air?