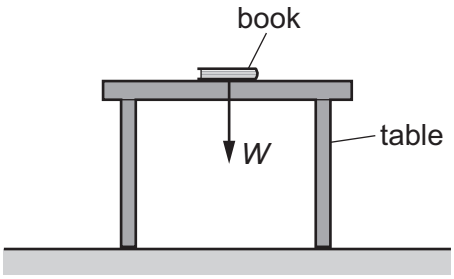
8 A book of weight *W* is at rest on a table. A student attempts to state Newton's third law of motion by saying that 'action equals reaction'.



If the weight of the book is the 'action' force, what is the 'reaction' force?

A the force *W* acting downwards on the Earth from the table

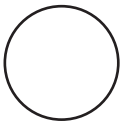
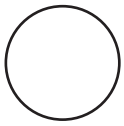
B the force *W* acting upwards on the book from the table

C the force *W* acting upwards on the Earth from the book

D the force *W* acting upwards on the table from the floor

9 Four balls are dropped at the same time from the top of a very tall tower. There is no wind blowing.

Which ball hits the ground first?

A	**B**	**C**	**D**
			
mass *M* diameter *D*	mass 4*M* diameter *D*	mass *M* diameter 2*D*	mass 4*M* diameter 2*D*