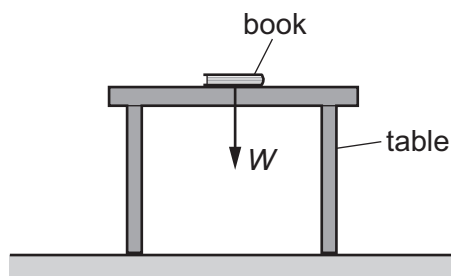


- 8 A book of weight W is at rest on a table. A student attempts to state Newton's third law of motion by saying that 'action equals reaction'.



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



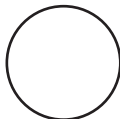
mass M
diameter D

B



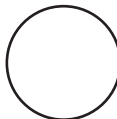
mass $4M$
diameter D

C



mass M
diameter $2D$

D



mass $4M$
diameter $2D$