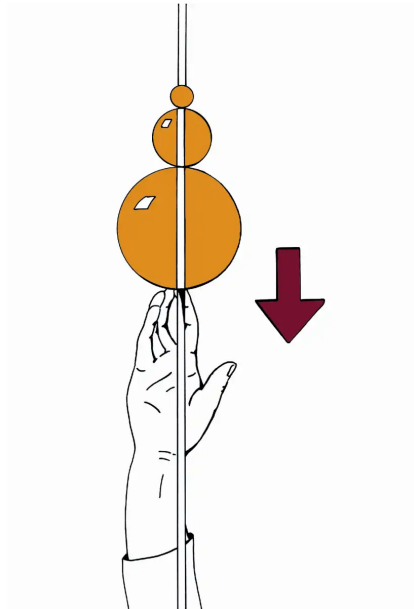


# Superbounce

What happens to the smallest ball when you drop the balls together?



Lift the complete set of balls and let them all fall simultaneously.

Do not touch the balls.

Observe the upper, small ball.

The upper ball is being catapulted to the roof with high velocity.

The bigger the ball is the more mass it has. Therefore it gains a bigger momentum when falling down.

The momentum of the two lower balls – which are heavy – is transferred to the upper, small ball. As a consequence the small ball is catapulted upwards with very high velocity.