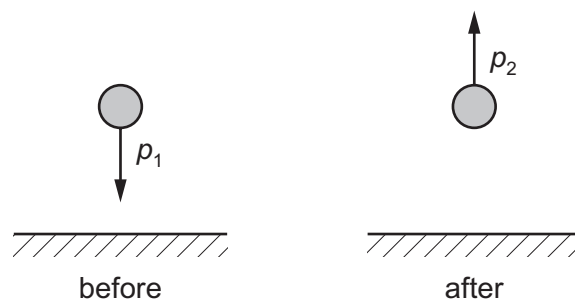9   A ball falls vertically onto horizontal ground and rebounds, as shown.

before   after

The ball has momentum p_1 downwards just before hitting the ground. After rebounding, the ball leaves the ground with momentum p_2 upwards. The ball is in contact with the ground for 0.020 s. During this time interval, an average resultant force of 25 N acts on the ball.

What is a possible combination of values for p_1 and p_2?

	$p_1/\mathrm{kg\,m\,s^{-1}}$	$p_2/\mathrm{kg\,m\,s^{-1}}$
A	0.15	0.65
B	0.20	0.30
C	0.30	0.20
D	0.65	0.15