A biker with a mass of 75 kg moves along the path with a constant velocity of 5 m/s. What is the biker's momentum?

A) 375 kg m/s B)265 kg m/s C) 73.5 kg m/s D) 425 kg m/s

Which will take more time to catch?

a) bowling ball because it has less momentum
b) bowling ball because it has more momentum
c) ping pong ball because it has more momentum
d) both require the same amount of force when catching

A 5 N force is applied to a 3 kg ball to slow it down from 9 m/s to 3 m/s. What is time for impulse on the ball?

a) 4 sec
b) 3.6 sec
c) 2.9 sec
d) 6 sec

A boy kicks a football with a force of 20 N, the time the force acts for is 0.3 s. Calculate the impulse on the ball

a) 1.22 Ns
b) 2 Ns
c) 6 Ns

The units for Impulse are
a) kg

b) m/s

c) Ns

d) kgs

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