

A Physics Interactive Quiz : Forces

Name: _____

#	question	Answer			0 <--score
# 1	5 kg is the mass of a fancart that accelerates at 0.5 m/ss. Find the force from the fan		2.5	100	0
# 2	5 If a 200 gram mass were then added to the cart, fin the new acceleration		4.81e-1	100	0
# 3	25 grams is the mass of a bullet fired from a gun 0.8 meters long. If the muzzle velocity is 100 m/s, find the force on the bullet		156.25	100	0
# 4	10 kg is the mass of a block between a 10 kg block and a 5 kg block. If the tension on a cord pulling the three blocks (10 kg first) is 60 N, find the acceleration of all three		2.4	100	0
# 5	10 Find the tension in the cord pulling the second block		36	100	0
# 6	10 Find the tension in the cord pulling the third block		12	100	0
# 7	30 is the mass in kg of a painting hung with wires 45° from horizontal. Find the weight of the painting in Newtons		294	100	0
# 8	30 find the tension in the right side wire		207.86	100	0
# 9	30 find the tension in the left side wire		207.86	100	0
# 10	15 m/s is the velocity of a Karate black belt's 2 kg hand. If the hand stops in 0.2 seconds find the force delivered by the hand.		150	100	0

Extra Credit: