



Two objects collide head on. Their masses and initial velocities are given. If the 10 kg mass has a final velocity of -0.1 m/s, what is the final velocity of the 1 kg mass? -0.1 m/s ? m/s 1 m/s -1 m/s 10 kg 1 kg 10 kg 1 kg A. -10 m/s $m_1v_{1i} + m_2v_{2i} = m_1v_{1f} + m_2v_{2f}$ -1 m/s В. $10(1) + 1(-1) = 10(-1) + 1v_{2f}$ c. 0.1 m/s \star 10 m/s