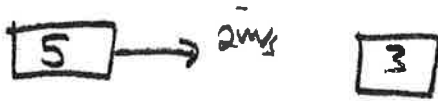


Ex 22.4

Collision problem



$$p_i = 10 \text{ lb} \cdot \text{m/s}$$

$$p_f = 8 \text{ lb} \cdot v$$

a) $v = \frac{10}{8} = \boxed{\frac{5}{4} \text{ m/s}}$

b) c.o.g. speed is $\boxed{\frac{5}{4} \text{ m/s}}$

c) no change at all.