

NEWTON'S SECOND LAW data

For the first run:

$$m_1 = .05 \text{ kg}$$

$$m_2 = .1354 \text{ kg}$$

$$a = 1.92 \text{ m/s}^2$$

For the second run:

$$m_1 = .05 \text{ kg}$$

$$m_2 = .155 \text{ kg}$$

$$a = 2.88 \text{ m/s}^2$$