

$$p = m \cdot v \quad \left(\text{units } \frac{\text{kg} \cdot \text{m}}{\text{s}} \right)$$

Chicken with mass 7,833 kg
moving at 17 m/s. What is
momentum?

①a $m = 7,833 \text{ kg}$
 $v = 17 \text{ m/s}$

①b p

② $p = m \cdot v$

③ $p = 7833 \text{ kg} \cdot 17 \frac{\text{m}}{\text{s}}$

④ $p = 7833 \cdot 17$
 $= 133161 \frac{\text{kg} \cdot \text{m}}{\text{s}}$

⑤ $p = m \cdot v$
 $\frac{133161}{7833} = \frac{7833 \cdot v}{7833}$
 $v = 17 \checkmark$

1. Momentum 1 problem set
2. A+CAD drawing
3. Shop