

ANSWER KEY Word problem primer- how to solve word problems

1. m/s^2
2. m/s
3. kg
4. m
5. N
6. Kg m/s
7. S
8. J
9. No units
 1. Energy
 2. Acceleration
 3. Speed
 4. Distance
 5. Force
 6. Momentum
 7. Time
 8. Mechanical advantage
 9. Velocity
 10. Mass

Change of

change of distance

4.66 m/s

2.5 hrs

X

/

-

X

/

+

/

Multiply

Add

Divide

Multiply

Divide

Add

Multiply

$$T_2 = \Delta T + T_1$$

$$A = F/m$$

$$\Delta D = s \times \Delta T$$

$$\Delta T = \Delta S / A$$

Meters, seconds

$$S = m/s$$

$$S = m/s$$

$$S = 40/10$$

$$S = 4 \text{ m/s}$$

m/s, s

$$a = m/s^2$$

$$a = m/s^2$$

$$a = 50 \text{ m/s} \times 5s$$

$$250 \text{ m/s}^2$$

Mph, hour

$$D = m$$

$$S = m/s$$

$$S = D/s$$

$$D = S \times s$$

$$D = 60 \times 10$$

D = 600 milesΔ