

Iun Andie

1 Trabajo $T = F \cdot d$ Datos
 a) $F = (30 \text{ N})$, $d = (0.6 \text{ m})$ $F = 30 \text{ N}$
 $T = 18 \text{ J}$ $d = 60 \text{ cm} \rightarrow = 0.6 \text{ m}$

b) $T = F \cos \alpha \cdot d$
 $T = (30) \cos 30 (0.6 \text{ m})$
 $T = 15.58811 \text{ J}$

2 Trabajo $T = m \cdot y \cdot d$ Datos $F = m \cdot y$
 $m = 25 \text{ kg}$ $F = m \cdot y (25 \text{ kg})(4.81 \text{ m/s}^2)$
 $y = 4.81 \text{ m/s}^2$ 245.25 m/s^2
 $d = 6.4 \text{ m}$ $T = d \cdot 245.25 (6.4) = 1,568$

3 trabajo $T = F \cdot d$ Datos
 $F = 3 \text{ N}$ $T = (3 \text{ N}) \cdot (12 \text{ m})$
 $d = 1200 \text{ cm} \rightarrow 12 \text{ m}$ $T = 36 \text{ J}$

4. Datos b) $T = M \cdot \dot{M} \cdot \dot{y}$
 $m = 6000 \text{ kg}$ $T = 58860 \cdot 0.65 \cdot 150$
 $d = 150 \text{ m}$ $T = 5,738850 \cdot \text{J}$
 $\alpha = 30^\circ$
 $M = 0.65$

5 $F = 18 \text{ N}$ $d = 7 \text{ m}$ $T = F \cdot d$ $T = 12.7$ $T = 3.6 \text{ J}$
 $T = 84 \text{ J}$

6 $M = 50 \text{ kg}$ $d = 8 \text{ m}$ a) $T = 50 \cdot 4.81 = 3424 \text{ J}$
 $T = m \cdot y \cdot h$

b) $T = 50 \cdot 8 \cdot 0 = 0 \text{ J}$
 $T = F \cdot d \cdot \cos \alpha$

7 $m = 10 \text{ dm}^3 = V = 10 \text{ L} = 10 \text{ kg}$ $h = 3 \text{ m}$
 $T = m \cdot y \cdot h$
 $T = 10 \text{ kg} \cdot 9.81 \cdot 3 = 244.30 \text{ J}$

¿Que trabajo hace el peso del agua? $= 244.30 \text{ J}$