

18. $m_1v_1 + m_2v_2 = m_1w_1 + m_2w_2$, $w_1 = w_2$, $w = 0,14 \text{ m}\cdot\text{s}^{-1}$

19. $W = E_p$, $W_1 = 4905 \text{ J}$, $W_2 = 274 \text{ J}$, $W_2 - W_1 = 4631 \text{ J}$

20. $W = E_{k2} - E_{k1} = 1760 \text{ J}$

21. $E_k = E_p$, $v = 6,3 \text{ m}\cdot\text{s}^{-1}$

22. $W = E_k = 67.5 \text{ J}$