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5. $\Delta d = 6.0\,m$

    $f = 10.0\,Hz$

    $\lambda = 0.75\,m$

a) $V = ?$

b) $\Delta t = ?$

a) $V = \lambda f$

    $V = (0.75\,m)(10.0\,Hz)$

    $V = 7.5\,m/s$

b) $V = \dfrac{\Delta d}{\Delta t}$

    $\Delta t = \dfrac{\Delta d}{V}$

    $\Delta t = \dfrac{6.0\,m}{7.5\,m/s}$

    $\Delta t = 0.80\,s$