T= 7,66h

Utilitzant la 32 llei de Kepler:

$$T_D^2 = C r_D^3$$

$$T_F^2 = C r_F^3$$

Dividim ambdues equacions m. am. i obtenim:

$$\left(\frac{T_D}{T_F}\right)^2 = \left(\frac{r_D}{r_F}\right)^3$$

$$T_{D} = \sqrt{\frac{r_{D}}{r_{F}}^{3}} \cdot T_{F} = \sqrt{\frac{23460}{9377}^{3}} \cdot 7.66 \text{ h}$$