

MP/340

24 times  
in  
60s

$T = ?$

$f = ?$

$$T = \frac{60s}{24 \text{ vibrations}}$$

$$T = 2.5s$$

$$f = \frac{24 \text{ vibrations}}{60s}$$

$$f = 0.40 \text{ Hz}$$

$$0.40 \text{ s}^{-1}$$

$$f = \frac{1}{T}$$

$$f = \frac{1}{2.5s} = 0.40s^{-1}$$

MP/348

$$f = 2.8 \text{ Hz}$$

$$\lambda = 0.36 \text{ m}$$

$v = ?$

$$v = \lambda f$$

$$v = (0.36 \text{ m})(2.8 \text{ s}^{-1})$$

$$v = 1.0 \text{ m/s}$$