Warm Up

- 1) A wave has a wavelength of 40 m and a period of 4 s. How fast is the wave moving?
- 2) A source oscillates 20 times every second, creating waves which are 3 m long. What is the speed of these waves?
- 3) A 500 m/s has a period of 5 s. What is the size of one wave?



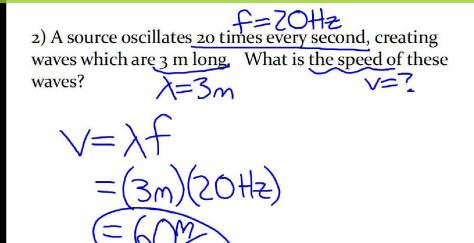
1) A wave has a <u>wavelength of 40</u> m and a period of 4 s. How fast is the wave moving?

V=?

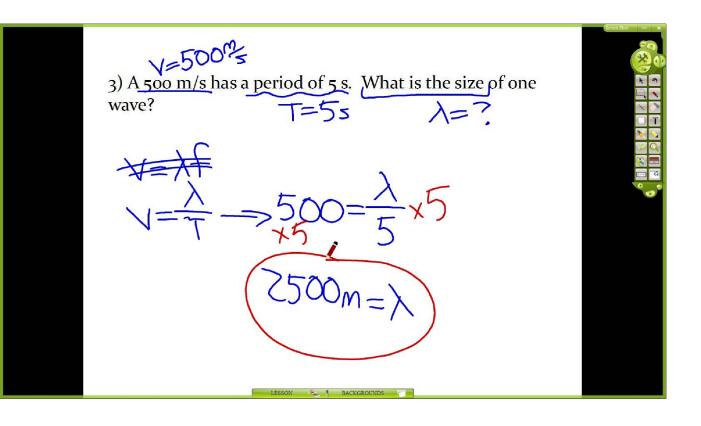
JAKE V

 $\sqrt{\frac{\lambda}{T}} = \frac{40m}{4s} \neq 10\frac{m}{s}$











 Practice problems involving the speed, wavelength, period, and frequency of waves



Worksheet



