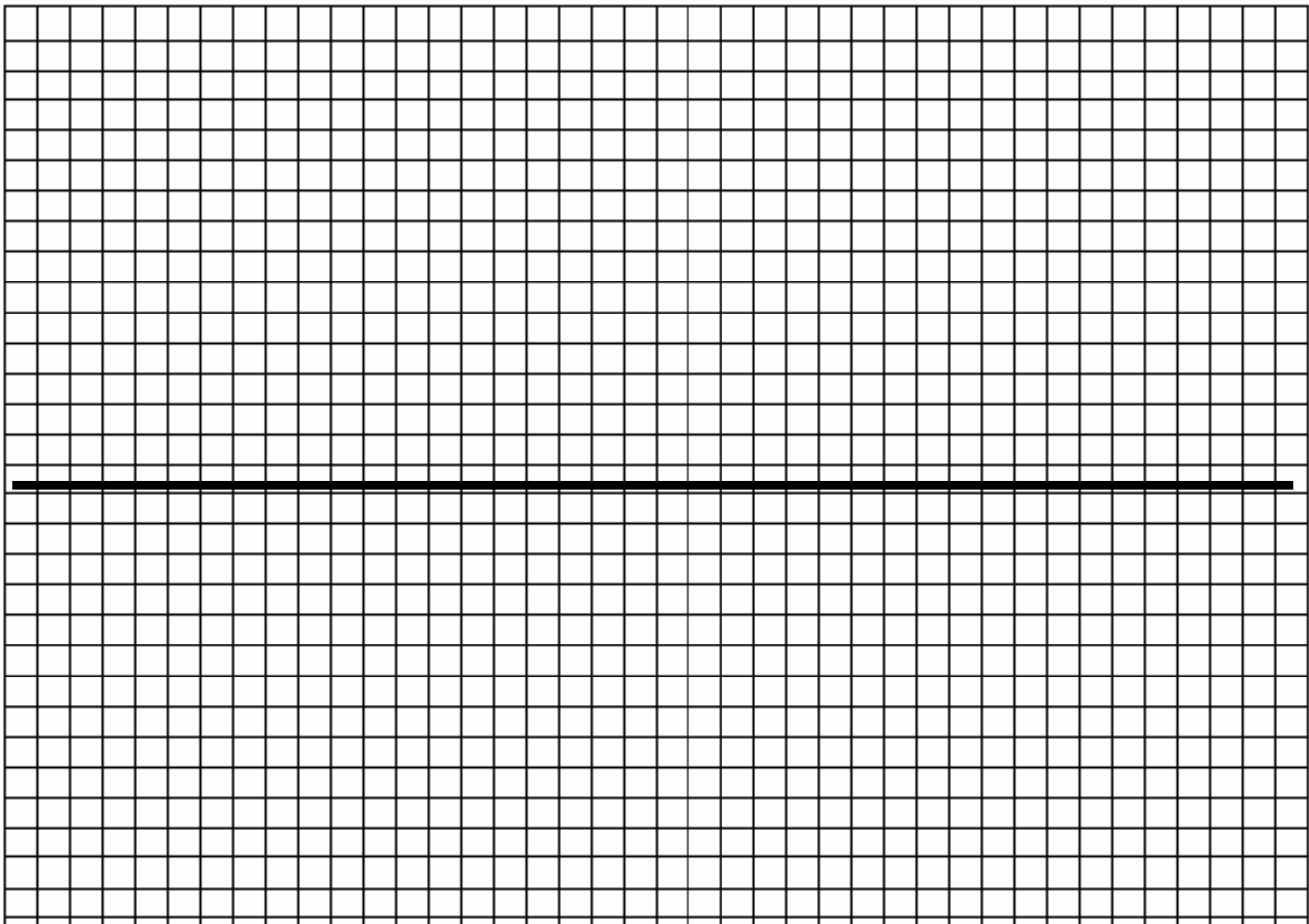


- In this activity you will learn how to draw transverse waves and apply this understanding to the Drawing Transverse Waves Activity.

On the graph below, draw 3-cycles of a transverse wave with an amplitude of 6 cm and a wavelength of 4 cm. Label the *wave length*, *amplitude*, *crest* and *trough*.



If 1 cycle occurs every 4 seconds, calculate:

Frequency

Period

Calculate the wave speed in cm/s