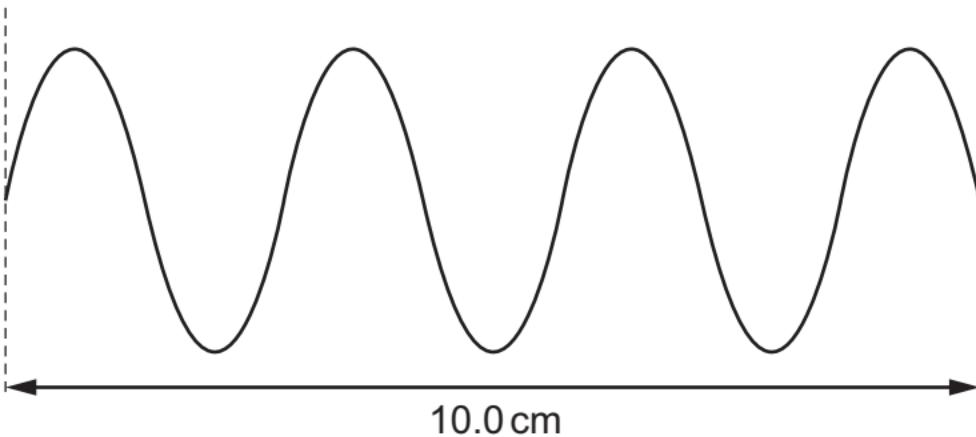


- 5 A student uses a cathode-ray oscilloscope (c.r.o.) to measure the period of a signal. She sets the time-base of the c.r.o. to 5 ms cm^{-1} and observes the trace illustrated below. The trace has a length of 10.0 cm.



What is the period of the signal?

- A $7.1 \times 10^{-6}\text{ s}$ B $1.4 \times 10^{-5}\text{ s}$ C $7.1 \times 10^{-3}\text{ s}$ D $1.4 \times 10^{-2}\text{ s}$