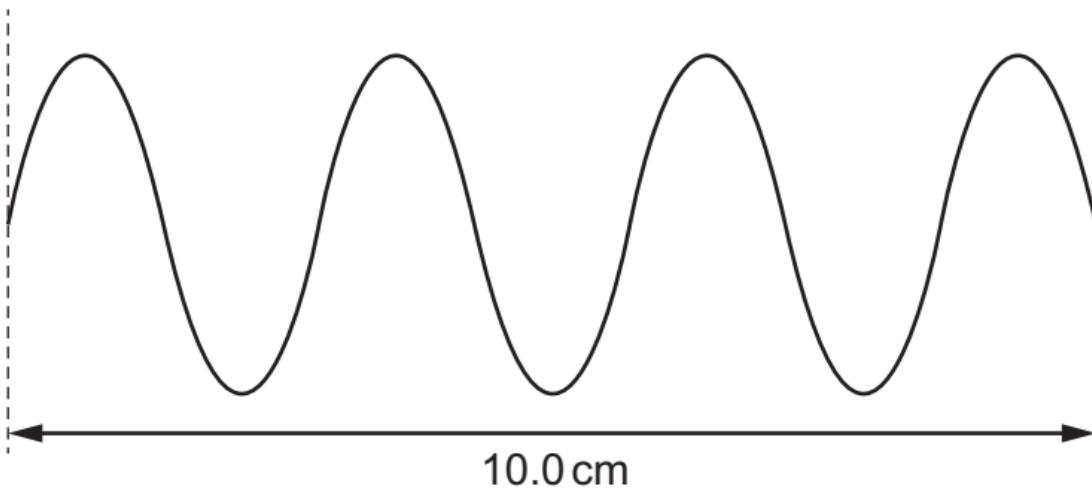


- 4 A student uses a cathode-ray oscilloscope (CRO) to measure the period of a signal. She sets the time-base of the CRO to  $5\text{ ms cm}^{-1}$  and observes the trace illustrated below. The trace has a length of 10.0 cm.



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  $1.4 \times 10^{-2}\text{ s}$