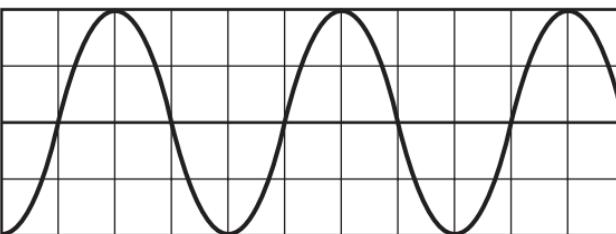


23 The diagram shows the waveform of a signal displayed on a cathode-ray oscilloscope.



The time-base is set at 5.0 ms per division.

The Y-gain is set at 5.0 mV per division.

What are the amplitude and the frequency of the signal?

	amplitude /mV	frequency /Hz
A	10	50
B	10	100
C	20	50
D	20	100

24 A jet aircraft travels at a speed of $0.8v$ where v is the speed of sound. The aircraft approaches a