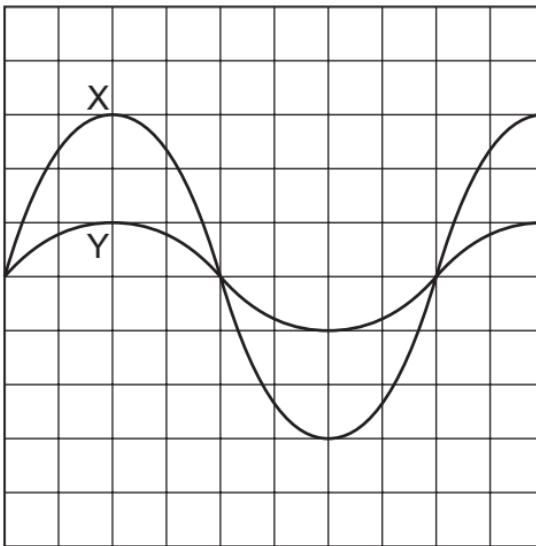


- 26 The diagram represents the screen of a cathode-ray oscilloscope displaying two sound waves labelled X and Y.



What is the ratio $\frac{\text{intensity of sound wave X}}{\text{intensity of sound wave Y}}$?

A $\frac{9}{1}$

B $\frac{3}{1}$

C $\frac{\sqrt{3}}{1}$

D $\frac{1}{1}$

- 27 T is a microwave transmitter placed at a fixed distance from a flat reflecting surface S.