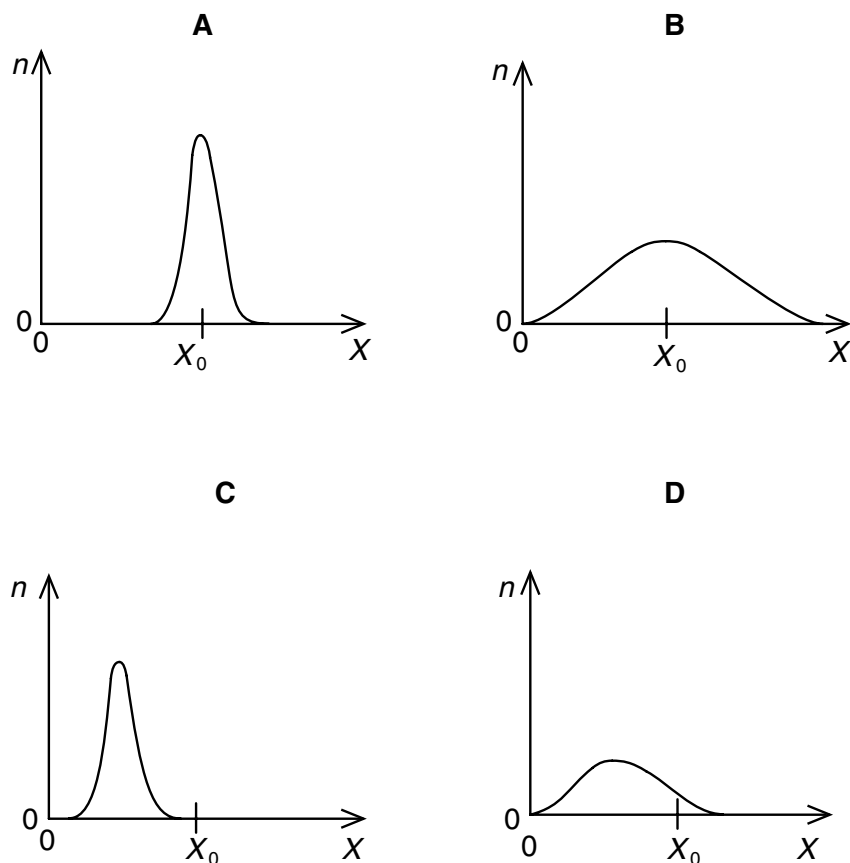
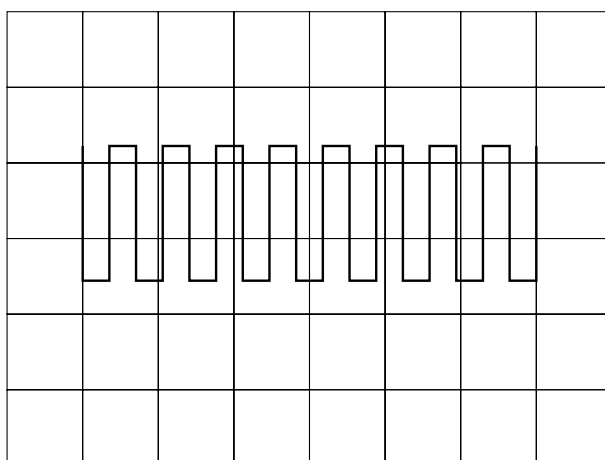


- 6 A quantity X is measured many times. A graph is plotted showing the number n of times a particular value of X is obtained. X has a true value X_0 .

Which graph could be obtained if the measurement of X has a large systematic error but a small random error?



- 7 The diagram shows a square-wave trace on the screen of a cathode-ray oscilloscope. A grid of 1 cm squares covers the screen. The time-base setting is 10 ms cm^{-1} .



What is the approximate frequency of the square-wave?

- A** 70 Hz **B** 140 Hz **C** 280 Hz **D** 1400 Hz