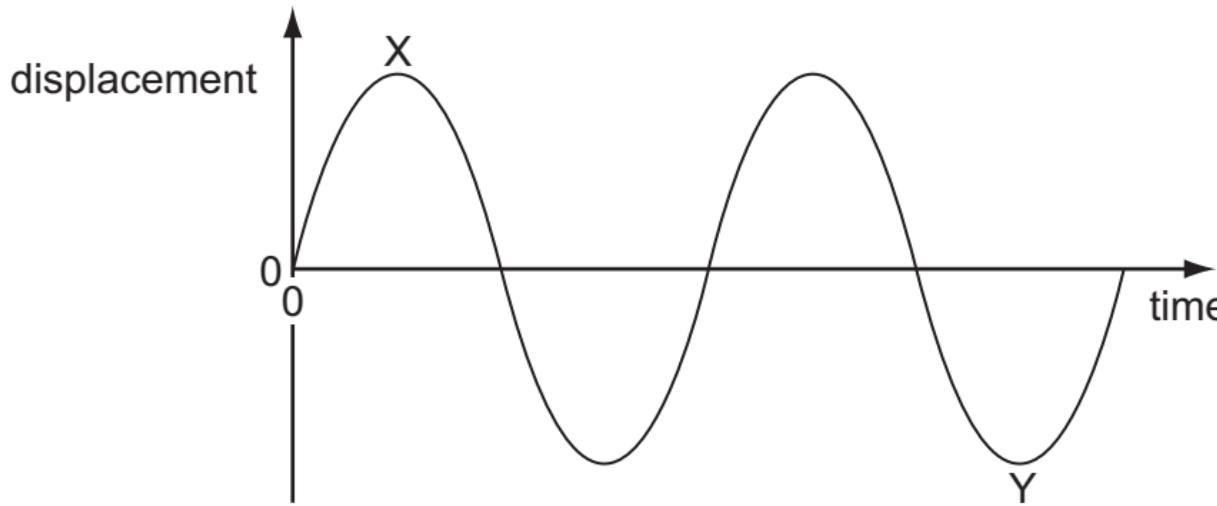


25 A displacement-time graph for a transverse wave is shown in the diagram.



The phase difference between X and Y can be expressed as $n\pi$.

What is the value of n ?

A 1.5

B 2.5

C 3.0

D 6.0

26 Continuous water waves are diffracted through a gap in a barrier in a ripple tank.