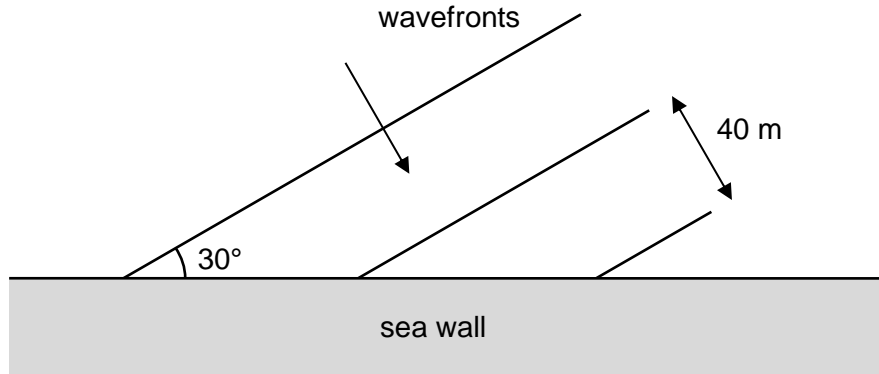


- 12** Parallel water waves of wavelength 40 m strike a straight sea wall. The wavefronts make an angle of 30° with the wall as shown.



What is the difference in phase at any instant between the waves at two points 8.0 m apart along the wall?

- A** 36° **B** 62° **C** 72° **D** 90°