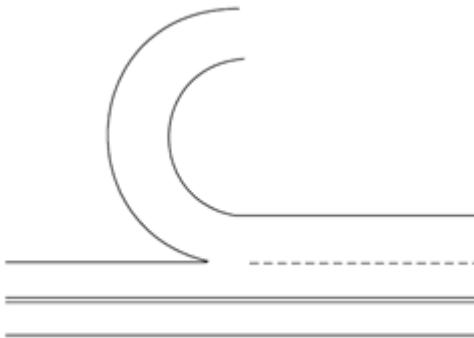


- 11** Many highway entrance and exit roads are circular and designed for cars moving at 50 km h^{-1} .



To design a similar road for a speed of 100 km h^{-1} the engineers should increase the radius of the circular section by a factor of

- A** $\sqrt{2}$ **B** 2 **C** 3 **D** 4