



Angle of Mirrors	Number of Reflections
1 ( $180^\circ$ )	
2 ( $160^\circ$ )	
3 ( $140^\circ$ )	
4 ( $120^\circ$ )	
5 ( $100^\circ$ )	
6 ( $80^\circ$ )	
7 ( $60^\circ$ )	
8 ( $40^\circ$ )	
9 ( $20^\circ$ )	