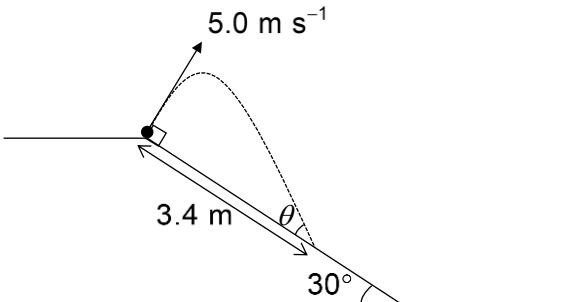


- 3** A stone is projected perpendicularly to a slope with a velocity of 5.0 m s^{-1} and lands 3.4 m down the slope. The slope is inclined at an angle of 30° to the horizontal. Air resistance is negligible.



What is the angle θ that the velocity of the stone makes with the slope as it lands?

A 27°

B 32°

C 41°

D 71°