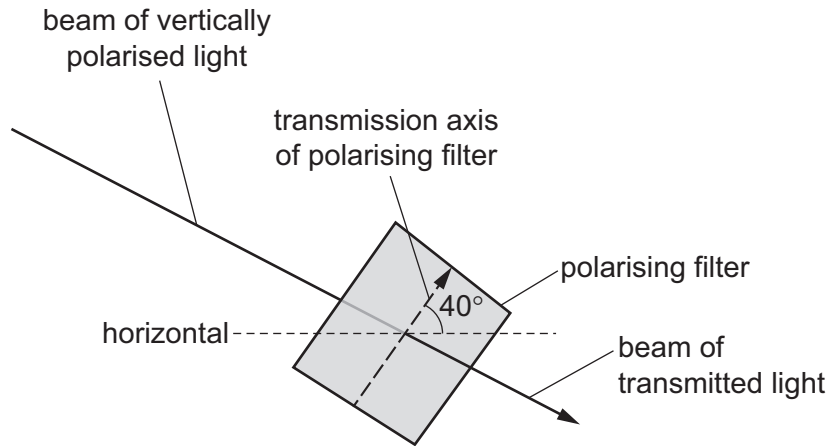


- 24** A vertically polarised beam of light is incident normally on a polarising filter. The transmission axis of the filter is at an angle of  $40^\circ$  to the horizontal.



What is the ratio  $\frac{\text{amplitude of transmitted beam}}{\text{amplitude of incident beam}}$  ?

**A** 0.41

**B** 0.59

**C** 0.64

**D** 0.77