

- 16** Unpolarised light first passes through a polarising filter with its axis vertical. Its intensity is reduced to 175 W m^{-2} . The polarised light then passes through a second polarising filter. It emerges from the second filter with an intensity of 131 W m^{-2} .

Which is the angle from the vertical of the axis of the second polarising filter?

A 30°

B 42°

C 48°

D 60°