

10	<p>A is the correct answer as $16\text{cm} = 2\lambda$ (whole number of wavelengths path difference)</p> <p>B is not the correct answer as this would result in the waves meeting in antiphase (destructive interference)</p> <p>C is not the correct answer as this would result in the waves meeting in antiphase (destructive interference)</p> <p>D is not the correct answer as this would result in the waves meeting in antiphase (destructive interference)</p>	(1)
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