

Friday 14³⁰ - 16³⁰

Speed of a car travelling in A272 = $60 \frac{\text{mi}}{\text{h}}$

Speed of light = $3 \times 10^8 \frac{\text{m}}{\text{s}}$

$3 \times 10^8 \frac{\text{m}}{\text{s}}$	60 s	60 min	1 km	1 mile
	1 min	1 h	1000 m	1.6 km

$$= 6.706 \times 10^8 \frac{\text{mi}}{\text{h}}$$

$$\therefore \frac{\text{Speed of light}}{\text{Speed of Car}} = \frac{6.706 \times 10^8 \frac{\text{mi}}{\text{h}} (\text{unitless})}{60 \frac{\text{mi}}{\text{h}}}$$
$$= 11.17 \times 10^6$$