

Textbook Practice

pg. 344 Applying Concepts #6, 11 and Problems #2, 3, 5, 7

Concepts

6.) Emergency vehicles should be painted GREEN. Less light is needed to reflect off of the vehicles and they will still be seen clearly.

11a.) yellow

b.) yellow

c.) black (no light can be reflected as only yellow light is reflected by bananas and there is no yellow light only blue.

Problems

2.) $3.84 \times 10^8 \text{ m}$

3.) $5.0 \times 10^2 \text{ s}$

5.) 3.03 m

7.) $1.0 \times 10^{10} \text{ Hz}$