

Physics Warm Up 8/20/09

In empty space (absence of all matter) light travels with uniform motion. The number associated with that motion is 300,000 kilometers per second. After light is made in the sun it takes 8.33 minutes to hit our warm faces.

1. How many meters does light travel in 1 second?
2. How many seconds does it take to get to your face?
3. How meters away is the sun?
4. Can you write that number in Scientific notation?