



Answer

1.7

Sample GR Item

During a thunderstorm, lightning is seen before thunder is heard. Light travels at an approximate speed of 300 000 kilometers per second (km/s) in air, and sound travels at an approximate speed of 0.341 km/s in air. If lightning is seen and then thunder is heard 5 seconds later, approximately how many kilometers away is the storm?

# FCAT SCIENCE

## PLANNING CARDS Grade 8

### BENCHMARK SC.D.1.3.5.

Item Type(s)	MC, GR
Benchmark Clarification	The student identifies the relative scales used to describe activities on Earth.
Content Limits	Items will NOT require the student to perform conversions between units of measure.  Items may assess the student's ability to report the appropriate units for time and space measurements.
Stimulus Attributes	Items may provide the student with data in chart, diagram, or picture form.
Response Attributes	Items will describe units in which the answer is to be given.