

Math Grade 10 A

Grade Level Standard(s):

KY.HS.NS.5

Materials:

- Math 10 A Attainment Task Questions for Student Use

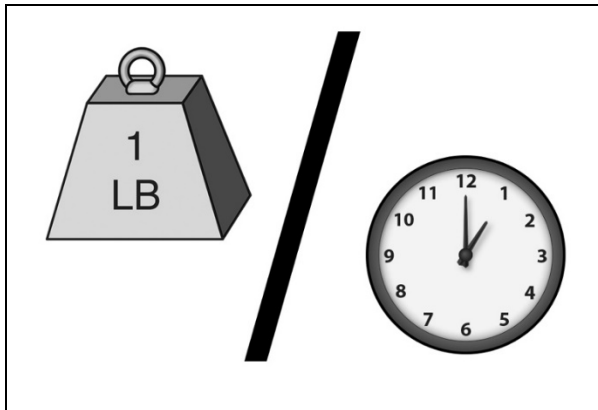
Response Code:

- Indicate the answer provided by the student.

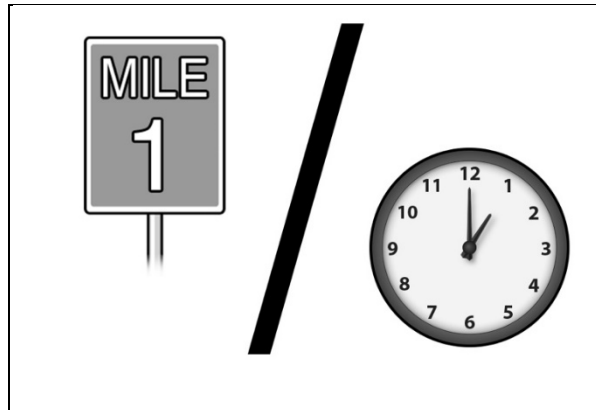
Text Coding:

- “Quotation marks” indicate the script that the teacher should read to the student.
- *Italicized text* provides further direction for the test administrator.
- Words in parenthesis () are optional; they may replace or be read in addition to the word(s) immediately preceding.

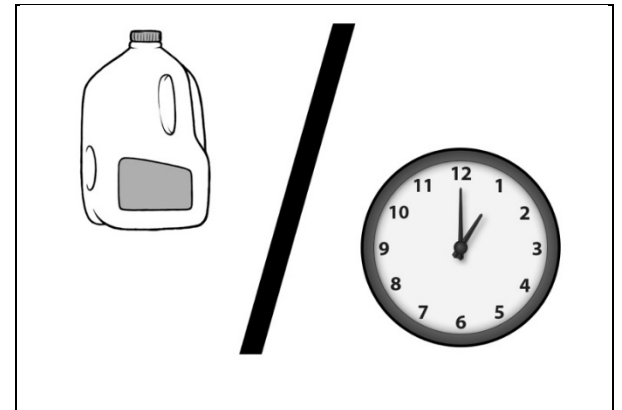
a. Pounds per hour (PPH)



b. Miles per hour (MPH)



c. Gallons per hour (GPH)



Before beginning task administration, please ensure that all conditions specified in the administration protocol (starting on page 10 of the Administration Guide Overview and Attainment Task Administration) have been met. Inform the student that the task is about to start by saying, “We are about to start the task, and I am going to ask you some questions.”

All questions from this task are available for presentation to the student in the supplemental material Math 10 A Attainment Task Questions for Student Use.

“Nasir and his friends wanted to get together for spring break. They decided to take a bike trip. They plan to spend no more than ten hours traveling to their destination.”

1. “What would be an appropriate unit for measuring their rate of progress on the ride?”

Response Option	Response Rationale
a. Pounds per hour (PPH)	<i>The student attempts to define the appropriate unit but selects a unit of weight instead of speed.</i>
b. Miles per hour (MPH) (Correct)	<i>The student defines the appropriate unit of speed that describes the rate of progress on the ride by choosing miles per hour.</i>
c. Gallons per hour (GPH)	<i>The student attempts to define the appropriate unit but selects a unit of volume instead of speed.</i>
Depth of Knowledge (DOK) 3	

Math 10 A Attainment Task Questions for Student Use

1. What would be an appropriate unit for measuring their rate of progress on the ride?

Kentucky Academic Standard: KY.HS.NS.5 Define appropriate units in context for the purpose of descriptive modeling.

★ **_MP.1, MP.6**

Alternate Assessment Target: *No limitations. All parts of the Kentucky Academic Standard are eligible to be included as an assessment item.*

Student Group	Number of Students*	Percent Correct
<i>All students</i>	397	57.43%
<i>Gender</i>		
Female	124	56.45%
Male	273	57.88%
<i>Ethnicity</i>		
African American	43	44.84%
American Indian or Alaska Native	< 10	Not Reported
Asian	< 10	Not Reported
Hispanic or Latino	22	59.09%
Native Hawaiian or Pacific Islander	< 10	Not Reported
White (non-Hispanic)	309	58.25%
Two or More Races	18	61.11%
<i>English Learner</i>	24	54.17
<i>Economically Disadvantaged</i>	309	56.31%

*Number of Students that attempted the item