Math Grade 7 E

Grade Level Standard(s):

KY.7.SP.0

Materials:
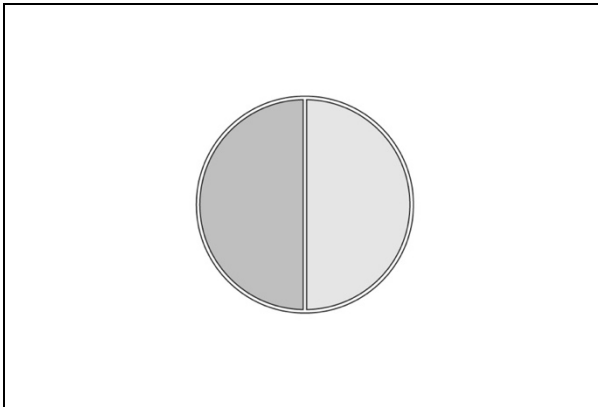- Math 7 E Attainment Task Questions for Student Use

Response Code:
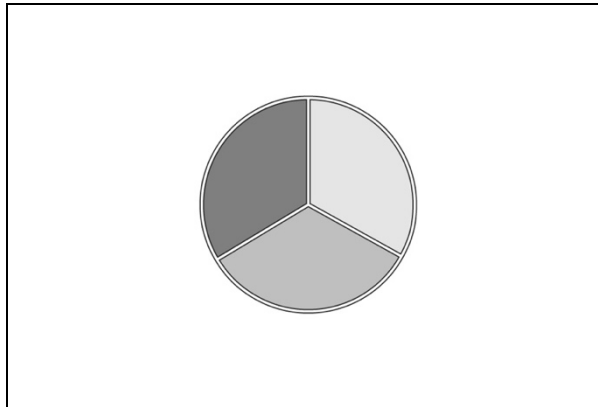- Indicate the answer provided by the student.

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.
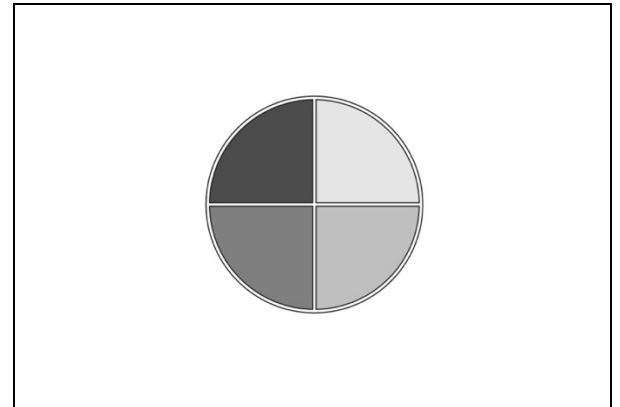
a. Graph A

b. Graph B

c. Graph C

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 <u>Math 7 E Attainment Task Questions for Student Use</u>.

"The students at Harling Middle School are voting on options (choices) for their year-end field trip. They have the following choices: Williamsburg Colonial Village, Huntsville Space Center, Washington D.C., or Charleston Marine Center."

Present the student with the **<u>student picture response options (on opposite page)</u>** *and ask the following question:*

2. "If each choice received the same number of votes, which circle graph represents their choices?"

Response Option	*Response Rationale*
a. Graph A	*The student attempts to identify the correct graph but does not recognize that there are four categories that must be represented in the graph.*
b. Graph B	*The student attempts to identify the correct graph but does not recognize that there are four categories that must be represented in the graph.*
c. Graph C **(Correct)**	*The student correctly identifies the correct graph which includes an equal representation for each of the four choices.*
Depth of Knowledge (DOK) 1	

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2. If each choice received the same number of votes, which circle graph represents their choices?

Kentucky Academic Standard: Create displays, including circle graphs (pie charts), scaled pictographs and bar graphs, to compare and analyze distributions of categorical data from both matching and different-sized samples.
MP.2, MP.3, MP.6

Alternate Assessment Target: *Limit to circle graphs and bar graphs.*

Student Group	Number of Students*	Percent Correct
All Students	524	56.11%
Gender		
Female	182	52.75%
Male	342	57.89%
Ethnicity		
African American	71	45.07%
American Indian or Alaska Native	<10	Not Reported
Asian	<10	Not Reported
Hispanic of Latino	<10	Not Reported
Native Hawaiian of Pacific Islander	<10	Not Reported
White (Non-Hispanic)	393	57.51%
Two or More Races	50	62.00%
English Learner	29	58.62%
Economically Disadvantaged	390	54.62%

*Number of Students that attempted the item