

Math Grade 6 E

Grade Level Standard(s):

KY.6.EE.6

Materials:

- Math 6 E Reference Sheet
- Math 6 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.

$$a - f$$

$$a - f$$

b.

$$r + f$$

$$r + f$$

c.

$$a + r$$

$$a + r$$

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 6 E Attainment Task Questions for Student Use.

“Andrea wants to go to the movies. She knows she needs to bring money to pay for admission and a combo (snack) of soda and popcorn. The expression $a + r + f$ is used to represent the cost of one admission, going on one ride, and buying one food item.”

Present the student with Math 6 E Reference Sheet 5).

5. “If Andrea does not want to eat at the fair, how will the expression $a + r + f$ change to show how much money Andrea needs?”

Response Option	Response Rationale
a. $a - f$	<i>The student attempts to use variables to represent a real-world problem but misidentifies the variable to be removed.</i>
b. $r + f$	<i>The student attempts to use variables to represent a real-world problem but misidentifies the variable to be removed.</i>
c. $a + r$ (Correct)	<i>The student correctly uses variables to represent a real-world problem and removes the correct variable from the expression.</i>
Depth of Knowledge (DOK) 2	

Math 6 E Reference Sheet

$$5. a + r + f$$

Math 6 E Attainment Task Questions for Student Use

5. If Andrea does not want to eat at the fair, how will the expression $a + r + f$ change to show how much money Andrea needs?

Kentucky Academic Standard: KY.6.EE.6 Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or depending on the purpose at hand, any number in a specified set. **MP.2, MP.6**

Alternate Assessment Target: *Limit to expressions involving integers and decimals from negative 20 to 20.*

Student Group	Number of Students*	Percent Correct
All students	523	51.43%
Gender		
Female	180	53.89%
Male	343	50.15%
Ethnicity		
African American	70	54.29%
American Indian or Alaska Native	<10	Not Reported
Asian	<10	Not Reported
Hispanic or Latino	<10	Not Reported
Native Hawaiian or Pacific Islander	<10	Not Reported
White (non-Hispanic)	382	52.36%
Two or More Races	62	43.55%
English Learner	26	61.54%
Economically Disadvantaged	417	50.84%

*Number of Students that attempted the item