

Math Grade 7 F

Grade Level Standard(s):

KY.7.SP.6

Materials:

- Math 7 F 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.

$$\frac{5}{10}$$

$$\frac{5}{10}$$

b.

$$\frac{2}{10}$$

$$\frac{2}{10}$$

c.

$$\frac{3}{10}$$

$$\frac{3}{10}$$

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 7 F Attainment Task Questions for Student Use.

“A group of six friends are playing outside. One of the friends comes out to the cooler to get a drink. There are 5 white sodas, 3 red sodas, and 2 green sodas in the cooler.”

3. “What is the probability of the brother picking a red soda out of the cooler?”

Response Option	Response Rationale
a. $\frac{5}{10}$	<i>The student attempts to estimate the likelihood of an event but incorrectly estimates it to be 5 out of 10.</i>
b. $\frac{2}{10}$	<i>The student attempts to estimate the likelihood of an event but incorrectly estimates it to be 2 out of 10.</i>
c. $\frac{3}{10}$ (Correct)	<i>The student correctly estimates the likelihood of an event to be 3 out of 10.</i>
Depth of Knowledge (DOK) 2	

Math 7 F Attainment Task Questions for Student Use

3. What is the probability of the brother picking a red soda out of the cooler?

Kentucky Academic Standard: KY.7.SP.6 Approximate the probability of a chance event by collecting data on the chance process that produces it and observing its long-run relative frequency and predict the approximate relative frequency given the probability.

MP.1, MP.2

Alternate Assessment Target: *No limitations. All parts of the Kentucky Academic Standard are eligible to be included as an assessment Limit to 100 items/events or less (e.g., “Rock, Paper, Scissors [100 trials]).*

Student Group	Number of Students*	Percent Correct
All students	496	48.99%
Gender		
Female	155	50.97%
Male	341	48.09%
Ethnicity		
African American	63	55.56%
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)	369	48.24%
Two or More Races	57	47.37%
English Learner	28	57.14%
Economically Disadvantaged	400	49.25%

*Number of Students that attempted the item