HS Candle and Fan Task: AP17-6

Summary of Student Performance

FIELD TEST

This task was administered to students during field tests conducted in the spring of 2021 and 2022. In 2021, over 2,300 students in grades 4 through 12 in the classrooms of 50 teachers from 27 states across the U.S. participated in the field testing. In 2022, over 1,500 students in grades 4 through 12 in the classrooms of 44 teachers from 16 states and Puerto Rico participated.

The data presented here are from the 193 students who responded to the task. Approximately 0% of the students were in elementary school, 50% were in middle school, and 50% were in high school. The graphs below present the mean percent correct for students in different categories. The percent correct was determined by summing the points earned on each question and dividing by the total possible points for the question. Students self-identified their gender and whether English was their primary language.

OVERALL PERFORMANCE

AP17-6 Average Score per Question
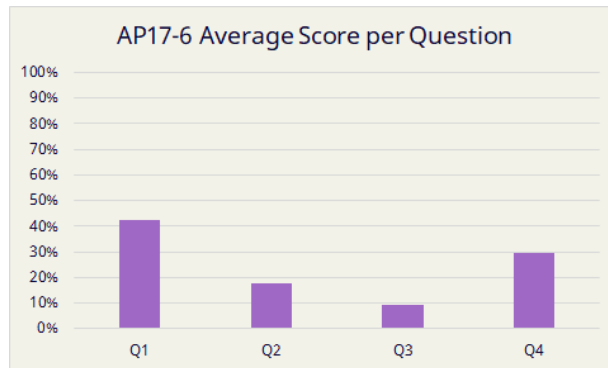
Performance	# of students	Q1	Q2	Q3	Q4	Total[*]
Overall	193	42%	18%	9%	30%	25%

*Total percentage was calculated by adding the number of points earned across the questions divided by the total number of points available. (Note that some questions had more points than others.)
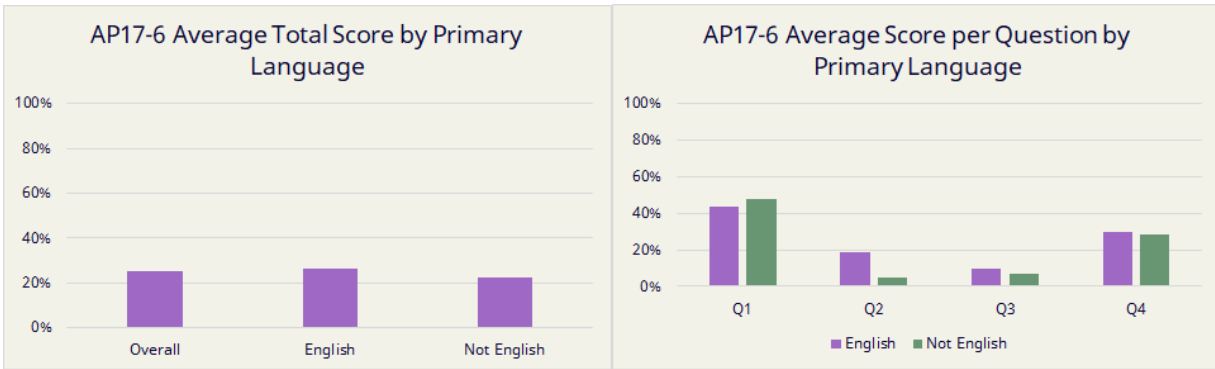
PERFORMANCE BY GRADE BAND

AP17-6 Average Total Score by Grade Band

AP17-6 Average Score per Question by Grade Band
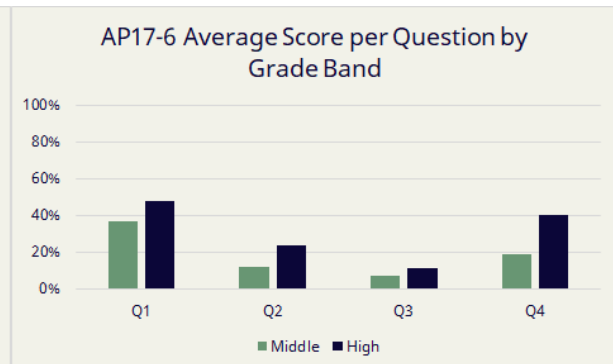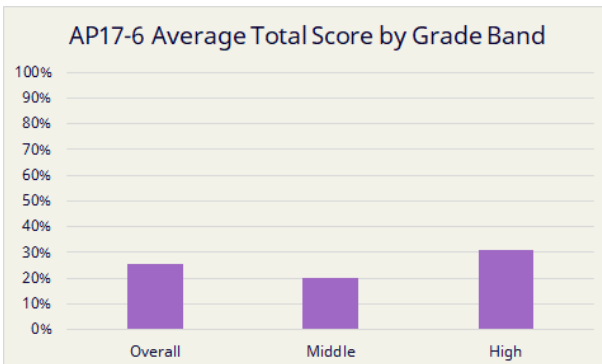
Grade Band	# of students	Q1	Q2	Q3	Q4	Total
Elementary	0	-	-	-	-	-
Middle	95	37%	12%	7%	19%	20%
High	97	48%	23%	11%	40%	31%

PERFORMANCE BY PRIMARY LANGUAGE

AP17-6 Average Total Score by Primary Language

AP17-6 Average Score per Question by Primary Language

Primary Language	# of students	Q1	Q2	Q3	Q4	Total
English	178	44%	19%	10%	30%	26%
Not English	7	48%	5%	7%	29%	22%

PERFORMANCE BY GENDER

AP17-6 Average Total Score by Gender

AP17-6 Average Score per Question by Gender
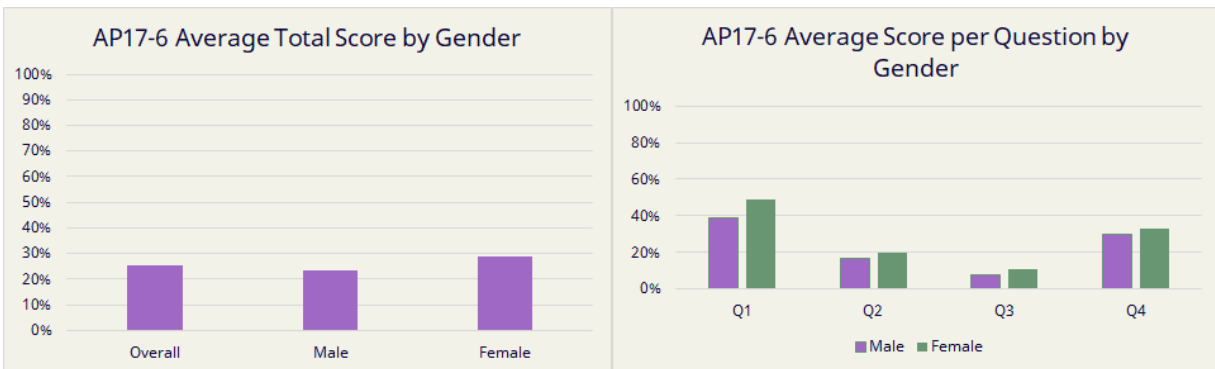
Gender	# of students	Q1	Q2	Q3	Q4	Total
Male	80	39%	17%	8%	30%	23%
Female	88	49%	20%	11%	33%	29%