Card #1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| The table at the right shows the data from an exit poll from the 2004 Presidential Election classified by educational level. Answer the following.   |  |  |  | | --- | --- | --- | |  | Bush | Kerry | | **No High School** | 268 | 273 | | **HS Grad** | 1563 | 1412 | | **Some College** | 2360 | 2011 | | **College Grad** | 1847 | 1634 | | **Post Grad** | 962 | 1202 |   a) What percent of the sample voted for Bush?  b) What percent of the sample were not HS grads?  c) Of those people who said they voted for Kerry, what percent had attended college?  d) Of those people who were HS grads only, what percentage voted for Bush?  e) What is the marginal distribution of educational level? |

Card #1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| The table at the right shows the data from an exit poll from the 2004 Presidential Election classified by educational level. Answer the following.  a) What percent of the sample voted for Bush?  b) What percent of the sample were not HS grads?   |  |  |  | | --- | --- | --- | |  | Bush | Kerry | | **No High School** | 268 | 273 | | **HS Grad** | 1563 | 1412 | | **Some College** | 2360 | 2011 | | **College Grad** | 1847 | 1634 | | **Post Grad** | 962 | 1202 |   c) Of those people who said they voted for Kerry, what percent had attended college?  d) Of those people who were HS grads only, what percentage voted for Bush?  e) What is the marginal distribution of educational level? |

Card #2 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | Fresh | Soph | Jun | Sen | | **No AP Courses** | 311 | 296 | 277 | 133 | | **1 AP Course** | 1 | 23 | 65 | 51 | | **2 AP Courses** | 0 | 4 | 48 | 83 | | **3 or More APs** | 0 | 0 | 4 | 54 |   The table at the right shows the involvement of the student body of Anytown High School in AP courses.  a) What percent of AHS students have  never had an AP course?  b) What percentage of the Seniors have never had an AP course?  c) What percentage of students with 2 or more AP courses are classified as Juniors?  d) What is the distribution of grade level for students with no AP courses?  e) What is the conditional distribution of AP courses for each grade level? Create a segmented bar graph to compare these distributions. Put your answer on the back. |

Card #2 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | Fresh | Soph | Jun | Sen | | **No AP Courses** | 311 | 296 | 277 | 133 | | **1 AP Course** | 1 | 23 | 65 | 51 | | **2 AP Courses** | 0 | 4 | 48 | 83 | | **3 or More APs** | 0 | 0 | 4 | 54 |   The table at the right shows the involvement of the student body of Anytown High School in AP courses.  a) What percent of AHS students have  never had an AP course?  b) What percentage of the Seniors have never had an AP course?  c) What percentage of students with 2 or more AP courses are classified as Juniors?  d) What is the distribution of grade level for students with no AP courses?  e) What is the conditional distribution of AP courses for each grade level? Create a segmented bar graph to compare these distributions. Put your answer on the back. |

Card #3 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| a) What percent of students drive to school?   |  |  |  | | --- | --- | --- | |  | Student drives  to school | Student doesn’t  drive to school | | **Both parents work** | 3,142 | 4,230 | | **One parent works** | 2,104 | 1,648 | | **Neither parent works** | 425 | 118 |   b) What percent of students have at least one parent that works?  c) If a student does not drive to school, what is the percentage that they have at least one  parent that does not work?  d) If neither parent works, what is the percentage that the student drives to school?  e) Are parent jobs and whether the student drives independent events? Explain. |

Card #3 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| a) What percent of students drive to school?   |  |  |  | | --- | --- | --- | |  | Student drives  to school | Student doesn’t  drive to school | | **Both parents work** | 3,142 | 4,230 | | **One parent works** | 2,104 | 1,648 | | **Neither parent works** | 425 | 118 |   b) What percent of students have at least one parent that works?  c) If a student does not drive to school, what is the percentage that they have at least one  parent that does not work?  d) If neither parent works, what is the percentage that the student drives to school?  e) Are parent jobs and whether the student drives independent events? Explain. |