NAME _____

1. If you wanted to keep track of the daily lowest temperatures in your town over a three-month period in order to look for trends, what would be the best way to display this data?

A. a pie chart or circle graph

B. a frequency table

C. a line graph

D. a bar graph

2. Christine found the following interesting data which relates children's spelling ability to their shoe sizes. A sample of children were given a spelling test. All the scores of children with the same shoe size were averaged together and are presented in the table below.

shoe size	3	4	5	6	7	8
percent of words spelled correctly	15%	25%	33%	47%	64%	83%

Which of the following statements is most likely to be false?

A. It's hard to know what to make of this data since we don't know how many children were tested and we don't know anything about their ages, grade levels, or even their native languages.

B. The data clearly shows that the larger a person's shoe size, the better their ability to spell will be.

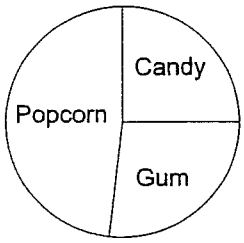
C. The increase in spelling ability may be related to the children's ages. The older children tend to have bigger feet than the younger and they also would be in higher grade levels at school. This would tend to make them better spellers.

D. The experiment should be repeated in another location with different children. Also, many more details of the experiment and the children's backgrounds should be included in the report.

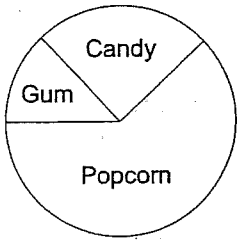
3. Maizy conducted a survey of the students in her class to find out what kind of snack food they preferred while attending a movie theatre. Of the students in the class, 63% said they preferred popcorn, 25% preferred candy, and 12% preferred chewing gum.

Which graph best represents these data?

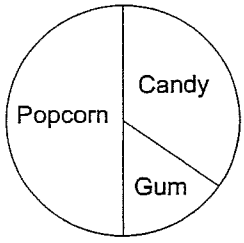
A.



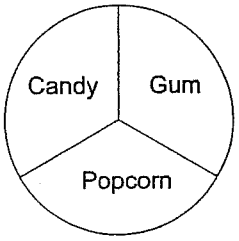
B.



C.



D.



33. Ms. Gardner's class conducted an experiment in science class to see how long it would take various kinds of vegetable seeds to germinate under identical conditions. They planted five seeds of each type, recorded when each seed sprouted, and calculated the average germination time of each plant variety. Their results were as follows:

Plant	Average Germination Time
carrots	12 days
radishes	8 days
lettuce	10 days
onions	6 days
asparagus	21 days
sweet corn	8 days
pumpkins	8 ddys

In your **Answer Document**, construct a bar graph to display this data.

For question 33, respond completely in your **Answer Document**. (4 points)

Optional Grid Paper

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