

CA Grade 6 Standard 6.SDAP.2.5

MULTIPLE CHOICE

An advertisement for Store A says “Our store has the lowest food prices in town.” To verify this claim, Jarred checked prices on several items at Store A and Store B. His data is shown in the table below.

Store	lettuce	apples	tomato soup	frozen peas	grape juice
Store A	\$0.98	3 lb/\$2.49	\$0.89	\$1.69	\$2.59
Store B	\$1.19	2 lb/\$1.99	\$0.81	\$1.59	\$2.59

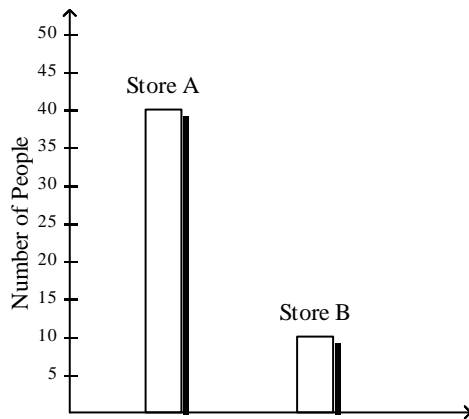
- Which statement *best* reflects the data collected?
 - Store A has much better prices.
 - Both stores have competitive prices.
 - The produce prices are better at Store A.
 - Store B is busier than Store A.
- Which statement could Store B use in advertising that can be supported by Jarred’s data?
 - Store B sells everyday items at lower prices.
 - Store B has the freshest produce in town.
 - Store B sells fruit juice at competitive prices.
 - Store B sells 60% of their products at a lower price than Store A.
- Which statement could Store A use in advertising that could be validated by Jarred’s data?
 - Store A is the preferred grocery store.
 - Store A sells produce at lower prices.
 - Store B has the freshest produce in town.
 - Store B has the lowest prices in town.

The table below shows data about the types of movies that middle school students saw in theaters over one weekend. Tina wants to use this data as support for a newspaper article with the headline “Middle School Students Prefer Action Packed Movies.”

Day	Comedy	Animation	Drama	Horror	Action
Friday	12	45	8	6	36
Saturday	22	18	10	12	44
Sunday	36	38	2	9	21

- Which statement is a valid conclusion based on the data shown?
 - Middle school students see action movies more than any other type of movies.
 - Middle school students see action movies about five times as much as drama movies.
 - Middle school students see action movies more than all other types of movies combined.
 - Middle school students see comedy movies the most.

5. Which claim *cannot* be justified by the data shown in the table?
- Sunday was the most popular day for middle school students to go to the movies.
 - Comedy was the third most popular type of movie that middle school students like to see.
 - As many middle school students went to see animated movies as action movies.
 - Drama was the least popular type of movie that middle school students like to see.
6. Which of the following claims is *most likely* to be justified using this data?
- Middle school students like to see animated movies and action movies.
 - Middle school students see an average of one movie each weekend.
 - Middle school students go to the movies with other family members.
 - Middle school students do not like to see movies about middle school aged children.
7. As people exited a Friday evening basketball game, fifty people were surveyed about the store they prefer to shop. The bar graph below shows the data collected.



Which of the following claims *most* accurately reflects the survey results?

- Store A is just as popular as Store B among those surveyed.
- Store A is twice as popular as Store B among those surveyed.
- Store A is four times as popular as Store B among those surveyed.
- Store A is nine times as popular as Store B among those surveyed.

Abram keeps track of test scores for five classes that he has in school. He wants to use this data to convince his parents that he should go to a science camp this summer.

Day	Test 1	Test 2	Test 3	Test 4	Test 5
English	70%	85%	82%	88%	75%
Social Studies	79%	80%	64%	80%	90%
Geography	100%	95%	96%	98%	100%
Science	100%	99%	98%	95%	100%
Math	70%	75%	78%	80%	90%

8. Which claim could Abram make about going to science camp that he could justify using the test score data?
- A. I like science best of all my classes.
 - B. I only get good grades in my science class.
 - C. Science is the only subject that I have scored 100% on a test.
 - D. My test scores in science are consistently excellent.
9. Which statement could Abram's parents make that could *not* be supported using the data about his test scores?
- A. Your scores in geography are also good.
 - B. Your math scores are getting progressively better.
 - C. Your English test scores are lower than every other test score.
 - D. You have scored 90% or better in every subject but English.
10. If Abram decided to use the scores from only one or two tests to convince his parents that science is his *best* subject, which test(s) should he use?
- A. Test 1
 - B. Tests 2 and 3
 - C. Tests 3 and 5
 - D. Test 5