

1. What kind of correlation would you expect from the ordered pair (student's hair color, student's college grades)?
[A] no correlation
[B] negative correlation
[C] positive correlation
[D] none of these
2. What kind of correlation would you expect from the ordered pair (student's score on a math test, student's high school grades)?
[A] no correlation
[B] positive correlation
[C] negative correlation
[D] none of these
3. What kind of correlation would you expect from the ordered pair (student's height, student's SAT scores)?
[A] negative correlation
[B] no correlation
[C] positive correlation
[D] none of these
4. What kind of correlation would you expect from the ordered pair (student's IQ, student's college grades)?
[A] negative correlation
[B] no correlation
[C] positive correlation
[D] none of these
5. Which type of correlation exists between the distance from a basketball hoop and the number of jump shots made? Explain your answer.
6. Would you expect a *positive correlation*, a *negative correlation*, or *no correlation* between the number of minutes a candle burns and the height of the candle? Explain why.
7. In a local bagel shop, the number of plain bagels sold in one month increased as the number of onion bagels increased. Is this an example of a *positive correlation*, *negative correlation*, or *no correlation*?

Integrated Algebra Practice: Analysis of Data #1

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[1] A

[2] B

[3] B

[4] C

Negative correlation; as the distance from the basketball hoop increases, the number of

[5] jump shots made tends to decrease.

Negative correlation; the longer the candle

[6] burns, the shorter it gets.

[7] positive correlation