

It's Your Birthday!

Amanda asked a random sample of 40 students from her school to identify their birth month. There are 300 students in her school. Amanda's data is shown in this table:

Birth Month	Number of Students
January	3
February	0
March	3
April	10
May	4
June	3
July	4
August	3
September	2
October	2
November	3
December	3

Student A

Which one of these statements is **best** supported by the data?

- A. Exactly 25% of the students in Amanda's school have April as their birth month.
- B. There are no students in Amanda's school that have a February birth month.
- C. There are probably more students at Amanda's school with a July birth month than a June birth month.
- D. There are probably more students at Amanda's school with an April birth month than a July birth month.

Answer A

Using what you know about samples and populations, explain why your choice is the best response. there are 40 students in the random sample and

10 students of $40 = 25\%$

$$\frac{10}{40} = .25\% \text{ of the students.}$$

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Student B

Which one of these statements is **best** supported by the data?

- Exactly 25% of the students in Amanda's school have April as their birth month.
- There are probably more students at Amanda's school with an April birth month than a July birth month.

Answer A

Using what you know about samples and populations explain why your choice is the best response.

I CHOOSE LETTER A BECAUSE LETTER B IS NOT A FACT AND TO SUPPORT THAT ANSWER YOU WOULD HAVE TO SAMPLE ALL 300 STUDENTS IN HER SCHOOL. KNOW LETTER A IS A FACT AND IS SUPPORTING THE INFORMATION THAT SHE HAS ENTERED IN HER CHART.

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Student C

$$\begin{array}{r} 10 \\ + 4 \\ \hline 14 \end{array}$$

Which one of these statements is **best** supported by the data?

- Exactly 25% of the students in Amanda's school have April as their birth month.
- There are probably more students at Amanda's school with an April birth month than a July birth month.

Answer B

Using what you know about samples and populations explain why your choice is the best response.

My choice B is the best answer because in amanda school - here are 300 students in her school and probably more students at amandas school with an april birth month than a july birth month.

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Student D

Which one of these statements is **best** supported by the data?

- Exactly 25% of the students in Amanda's school have April as their birth month.
- There are probably more students at Amanda's school with an April birth month than a July birth month.

Answer b

Using what you know about samples and populations explain why your choice is the best response.

Because she did not ask every ~~student~~ student for their ~~birthday~~ birthday and 40 can't make the other 260 ^{kids} ~~of the~~ and account amount of percent

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Student E

→ 20

→ 20

Which one of these statements is best supported by the data?

- Exactly 25% of the students in Amanda's school have April as their birth month.
- There are probably more students at Amanda's school with an April birth month than a July birth month.

Answer

b

Using what you know about samples and populations explain why your choice is the best response.

I think b) because she only did 40 out of the 300 kids in her school so a) will not be exactly 25% april birth months be se only sampled 40 student theres 260 more student's

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November	3
December	3

Student F

Which one of these statements is **best** supported by the data?

- a) Exactly 25% of the students in Amanda's school have April as their birth month.
- b) There are probably more students at Amanda's school with an April birth month than a July birth month.

Answer B

Using what you know about samples and populations explain why your choice is the best response.

I know that if the school has 10 students out of forty for April and 4 for July, most likely out of 300, April will have more than July.