

**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

<b>Student Birth Months</b>	
<b>Birth Month</b>	<b>Number of Students</b>
January	3
February	0
March	3
April	10
May	4
June	3
July	4
August	3
September	2
October	2
November	3
December	3

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 \_\_\_\_\_

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