



You are given data on the lifespan of two different batches of lightbulb, manufactured at the same company. By looking at the data, decide which of the statements below is true.

**Batch A**

Mean: 1600 hours

Range: 300 hours

**Batch B**

Mean: 1800 hours

Range: 400 hours



“On average, batch B’s lightbulbs last longer and are more consistent”



“On average, batch A’s lightbulbs last a shorter length of time, but are more consistent”



“On average, batch A’s lightbulbs last a shorter length of time, and are less consistent”



“Batch B’s best lightbulb lasts longer than batch A’s”

Your answer:

A B C D

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I think this is the answer because...

Why might students choose each of the other 3 answers?

What other incorrect answer would you add to this question and why?

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