

## Learning Curves

answers: C,D,D,C,E,B



My Grandmother  
is watching you.  
Do not Cheat!

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1) *Who is learning fastest?*

- A. Tom, who takes 8 hours to do the first piece, and has a 70% curve.
- B. Ed, who takes 6 hours to do the first piece and has a 75% curve.
- C. Joe, who takes 50 hours to do the first piece and has a 60% learning curve
- D. Mary, who takes 7 hours to do the first piece, and has an 80% learning curve
- E. Tom and Mary are learning at about the same rate

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2) *A job with a 50 percent learning curve required 100 hours for the initial unit. The fourth unit should require approximately how many hours? (you can do this without a table)*

- A. 60
- B. 50
- C. 36
- D. 25
- E. 24
- F. 21.6

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3) *A manager is trying to estimate the appropriate learning curve for a certain job. The first and second units were disasters, but the third unit took 19 minutes and the tenth took 12. Which learning curve fits this best?*

- A. 37%
- B. 63%
- C. 70%
- D. 75%
- E. 80%
- F. 85%
- G. 90%
- H. 158%

## Priorities and scheduling

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1) *Our work on job priorities implies the following as the probable best strategy in attacking an exam to get the most work done in a limited time:*

- A. Freak out, quit early and go drinking.
- B. Do them in the order presented, focusing on each until it's done.
- C. Do the easy ones first.
- D. Attack the biggest hardest questions first and put all your effort there.
- E. Wear a baseball cap, sit next to someone smart, and don't worry about the fact that she has a different version of the exam.

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2) *Why is there stop-and-go traffic on highways even though there are no stoplights and everybody eventually gets where they're going?*

- A. FCFS scheduling instead of Due Date.
- B. Drivers should jockey more aggressively for open spaces.
- C. Low utilization of the highways.
- D. Engineers designed it that way on purpose, for entertainment or because they're lonely.
- E. Variability in traffic and speed.
- F. Because it takes forever to get through.. That's why it's called *infinite* source

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3) *Therbligs are:*

- A. A measure of energy in fossil fuels
- B. Elemental motions
- C. A Dyslexic method of measuring distance in location analysis
- D. manufacturing blunders
- E. a measure of randomness in numbers used for Monte Carlo simulation
- F. The reason we use the central limit theorem in project management