

Question:

Carla is downloading a 200 GB file. Normally she can download 2 GB/minute, but 40% of the way through the download, Windows forces a restart to install updates, which takes 20 minutes. Then Carla has to restart the download from the beginning. How long does it take to download the file?

Reasoning + Answer:

<think> In the first 40% Carla can download $2 * (40 / 100) * 200 = 16$ GB. In the second 40% Carla can download $2 * (40 / 100) * 200 = 16$ GB. In the last 20% Carla can download $2 * (20 / 100) * 200 = 8$ GB. She needs a total of $16 + 16 + 8 = 40$ GB with a download speed of 2 GB/min, she needs $40 / 2 = 20$ min to download the file. She needs an extra $20 + 20 = 40$ min for the restart (20 min + 20 min). It takes Carla a total of $40 + 40 = 80$ min. </think> <answer>80</answer>

Reward score

2
1
0
-1
-2
-3