Name _____ Date _____

Chapter 3 Performance Task (continued)

Rubric

Planning the Climb	Points
1–2. $125p = 500$; $p = 4$ pitches; During their 500-foot long route, Charlie and Sophie will climb 4 pitches which are each 125 feet long.	**4** Correct equation, solution, and interpretation **3** Correct equation and solution, but missing or incorrect interpretation **2** Correct equation only
3–4. $120s = 500$; $s \approx 4$ ft/min; Charlie and Sophie climbed at a rate of 4 feet per minute for 2 hours to complete the 500-foot long route.	**4** Correct equation, solution, and interpretation **3** Correct equation and solution, but missing or incorrect interpretation **2** Problem is attempted, but with an incorrect equation, solution, and interpretation due to incorrect conversion
5–6. $8\ell = 1200$; $\ell = 150$ ft	**2** Correct equation and solution **1** Correct equation or solution
7. 5 h; *Sample answer*: Use the average speed of their last climb, 4 feet per minute, and the given distance, 1200 feet, to write the equation $4m = 1200$. Solve this equation to find that it takes them 300 minutes to complete the climb. Because there are 60 minutes in 1 hour, 300 minutes is equal to 5 hours.	**5** Thoughtful response that references calculations **3** Well-written response without reference to calculations **1** Poorly written response without reference to calculations
Mathematical Practices: Understand complex problems and show determination when solving them. Students will write and solve equations and interpret the solutions.	**5** The student uses problem-solving skills, applies appropriate modeling, and correctly implements the results of the models. Award partial credit as needed.
Total Points	**20 points**