

**Road Scholar—How The Grinch Aced Road Scholar -- Answer Sheet**

Student signatures: \_\_\_\_\_

Team Number \_\_\_\_\_

\_\_\_\_\_

Team Name \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. MS 13 is \_\_\_\_\_ and US 49 is \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ Rivers

15. \_\_\_\_\_

16. : \_\_\_\_\_ hours, \_\_\_\_\_ minutes

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_ and \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_

\_\_\_\_\_

22. \_\_\_\_\_

points page 1= \_\_\_\_\_

points page 2 = \_\_\_\_\_

points page 3 = \_\_\_\_\_

points profile = \_\_\_\_\_

points map = \_\_\_\_\_

total correct = \_\_\_\_\_

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\_\_\_\_\_

Team Number \_\_\_\_\_  
Team Name \_\_\_\_\_

- 23. \_\_\_\_\_
- 24. \_\_\_\_\_
- 25. \_\_\_\_\_
- 26. \_\_\_\_\_
- 27. \_\_\_\_\_
- 28. \_\_\_\_\_
- 29. \_\_\_\_\_
- 30. \_\_\_\_\_
- 31. \_\_\_\_\_
- 32. \_\_\_\_\_
- 33. \_\_\_\_\_
- 34. \_\_\_\_\_
- 35. \_\_\_\_\_
- 36. \_\_\_\_\_
- 37. \_\_\_\_\_, \_\_\_\_\_, Section \_\_\_\_\_, Town \_\_\_\_\_, Range \_\_\_\_\_
- 38. \_\_\_\_\_
- 39. \_\_\_\_\_
- 40. \_\_\_\_\_
- 41. \_\_\_\_\_
- 42. \_\_\_\_\_

# correct page 2 = \_\_\_\_\_

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\_\_\_\_\_

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Team Name \_\_\_\_\_

43. \_\_\_\_\_

44. The gage will \_\_\_\_\_ because \_\_\_\_\_

45. Latitude \_\_\_\_\_

46. Longitude \_\_\_\_\_

47. UTM \_\_\_\_\_

48. Bearing \_\_\_\_\_

Answer on other sheets:

49-50: Profile problem

51 to 54: Map drawing problem

***Remember to check for Units!!!***

*Ties are broken from the last question forward.*

*Closeness to ideal values is used on measurement and calculation problems.*

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Team Number \_\_\_\_\_

\_\_\_\_\_

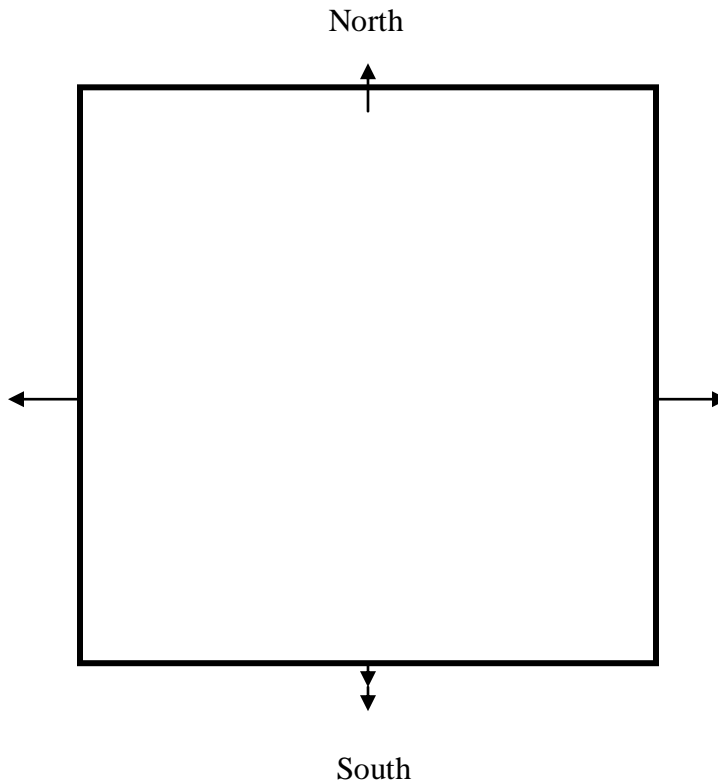
Team Name \_\_\_\_\_

**Map Drawing Problem- Questions # 51 to 54:**

*Hey, map dudes and dudettes! I know you're rushed, so here is where you can visit me for tea:*

*I live on an old volcanic island. The island is a mile North-South and .85 miles East-West. Centered in map area is a 400 ft high mountain, steeper on Northeast side. A stream starts right near the top of the mountain, and flows straight Southwest at an Azimuth of 225° to the sea. The stream has eroded a pretty little valley into the mountainside. My house is just North of the stream at 225 feet elevation.*

Use Scale 1 cm = 150 meters 11 cm= 1 mile. Contour interval = 50 feet



Check list: 1 pt each for-

Island shape    Contours and slopes    Stream and valley    House location