

Answer key graphing speed, slope

1. Time (sec)
2. Position (m)
3. 40 m
4. Slope = rise / run = $20 / 2 = 10$ m/s
5. Speed
6. 5 sec
7. 275 m
8. Intersection of line and graph at 5 sec and 150 m so $150 / 5 = 30$ m/s
9. Speed
10. Time (sec)
11. Position (m)
12. 14 m
13. Slope = $8 / 2 = 4$ m/s
14. Speed
15. Slope of the graph means speed
16. Fast speed B
17. Slow speed A
18. At rest A and C
19. Fast speed B
20. Slow speed D
21. Backwards B
22. Forwards D