Name _____ Date _____Period_____

Motion Test review

Motion Calculations

1. What are some units for distance? _____
2. What are some units for time? _____
3. What are some units for speed? _____

Show your work for #4-7

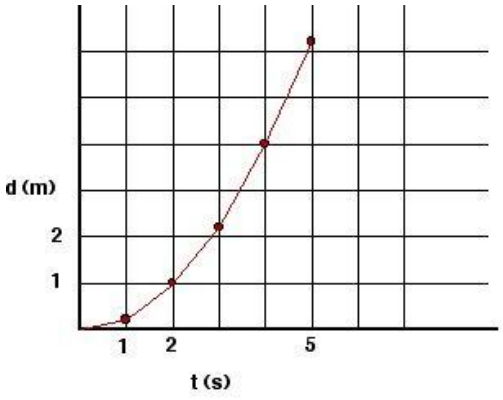
4. If Sam moves 50 meters in 2 minutes, how fast did he go? _____

5. If Sally went 100 meters at 20m/s, how long did it take her? _____

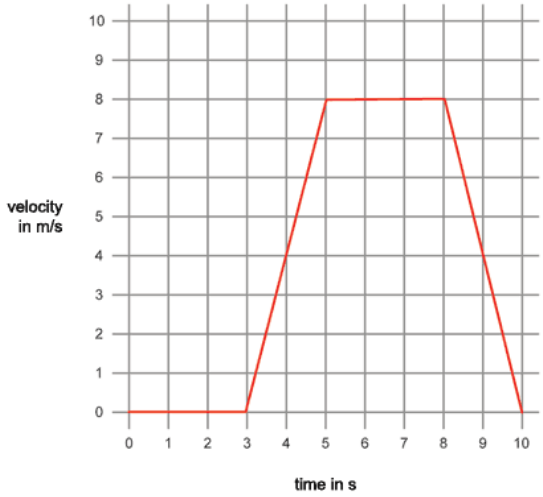
6. Juan drove 60 miles per hour for 30 minutes, how far did he go? _____

7. Freddy Frog hopped 30 meter in 6 seconds, what was his speed? _____

Motion graphs



8. What is the distance traveled between seconds 2 and 3? _____



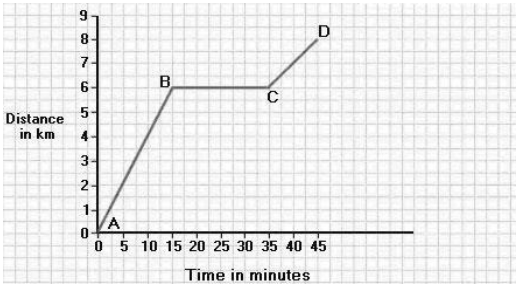
9. What is the velocity between seconds 5 and 8?

_____

10. How can you describe the velocity between seconds 3 and 5?

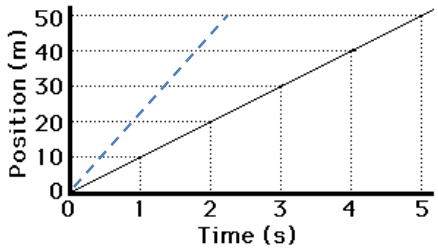
11. How can you describe the motion between seconds 5 and 8?

12-13.



Time (min)	**Position** (distance from the origin)
15	
35	
45	

13. How far did they travel between points B and C? _____



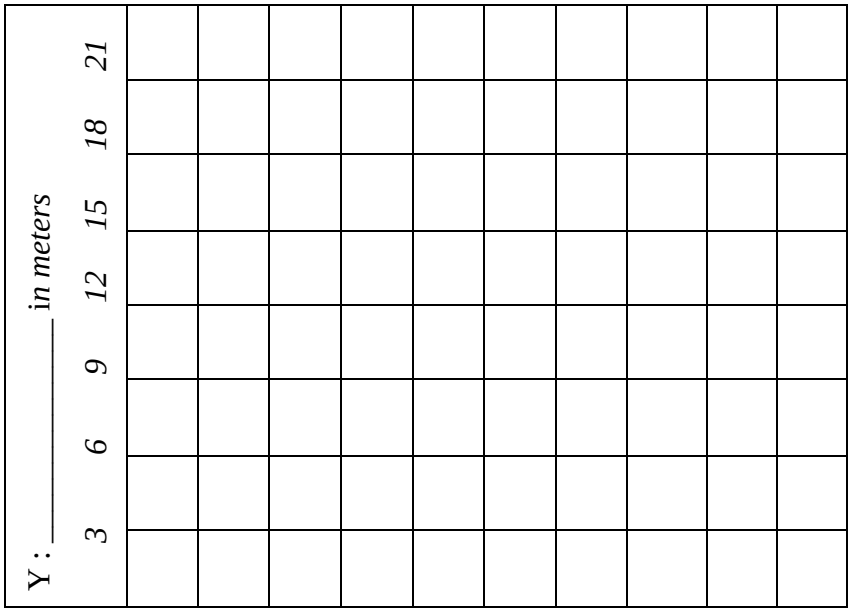
14. Which car was the fastest? _____ *(dashed or straight)*

15. How do you know?

16. Make a graph of this toy car race. Don't forget to write the scale for the X axis before plotting the points.

Title: _____

Time (s)	Distance (m)
0	0
2	6
4	12
6	18



X: _____ *in seconds*

17. What is the speed for this graph? _____