

Graphing of Speed vs. Time

Name _____

Date _____

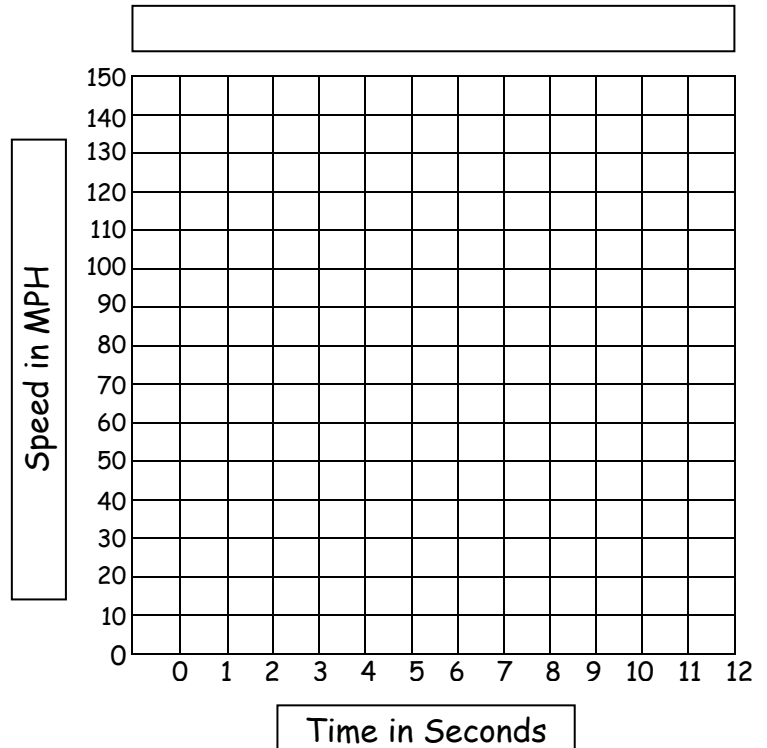
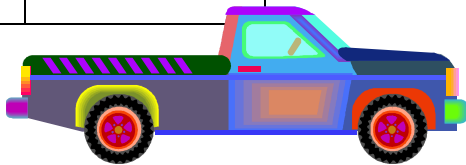
Period _____

Standard: Students know how to interpret graphs of position versus time and graphs of speed versus time for motion in a single direction.

Use the data and draw a line graph in the graph paper box to the right. Answer the questions about the graph.

Graph of a purple truck as it drives around a race track.

Time in Seconds	Speed in MPH
0	0
1	12
2	24
3	36
4	48
5	60
6	72
7	84
8	96
9	108
10	120
11	132
12	144



1. What does the line look like on the graph? _____

2. What is happening to the cars speed? _____

3. This graph shows time vs. speed. How does this graph compare to the second graph on the Graphing Time vs. Distance Worksheet? _____

4. What happened at 10 seconds on the graph? _____

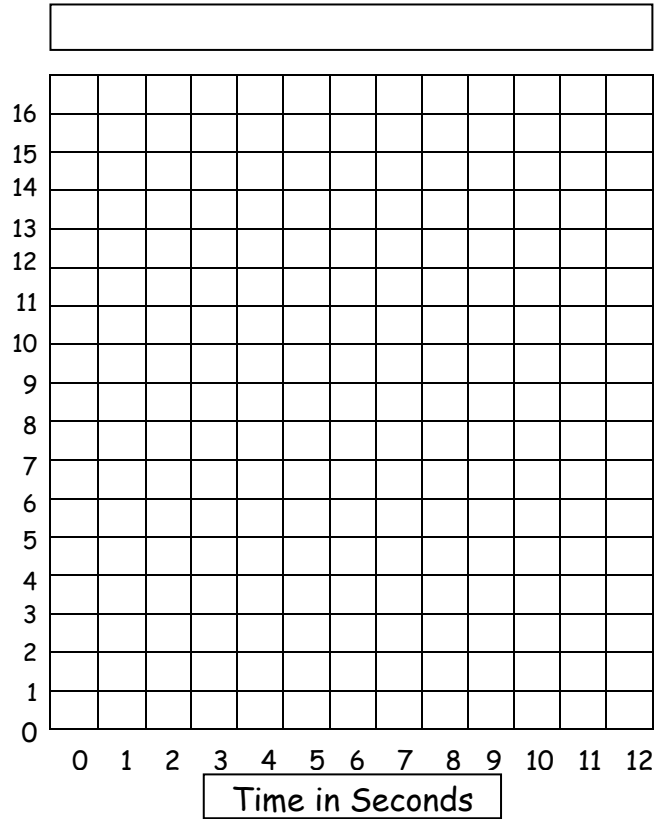
5. On this graph a line angled up means? _____

6. On this graph a line that is horizontal and flat means _____

Graph of a yellow bicycle as it races rides down the street.

Time in Seconds	Speed in MPH
0	0
1	4
2	9
3	12
4	12
5	12
6	12
7	14
8	16
9	16
10	8
11	4
12	1

Speed in MPH



1. What does the line look like on the graph? _____

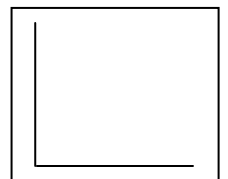
2. What is happening to the speed of the bicycle from 0 to 3 seconds? _____

3. What is happening to the speed of the bicycle from 3 to 6 seconds? _____

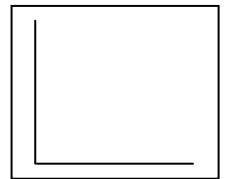
4. What is happening to the speed of the bicycle from 7 to 9 seconds? _____

5. What is happening to the speed of the bicycle from 9 to 12 seconds? _____

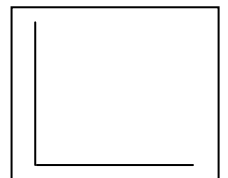
6. On a speed vs. time graph, what does the line look like when the object is **accelerating**? _____



7. On a speed vs. time graph, what does the line look like when the object is **slowing down**? _____



8. On a speed vs. time graph, what does the line look like when the object is staying at a **constant speed**? _____



9. On a speed vs. time graph, what does the line look like when the object is **stopped**? _____

