

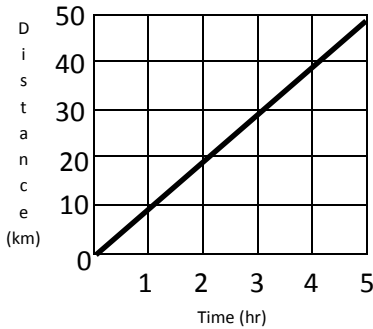
MORE SPEED & GRAPHING PRACTICE (ANSWERS)

Which type of speed does each graph show (**constant** or **changing**)?

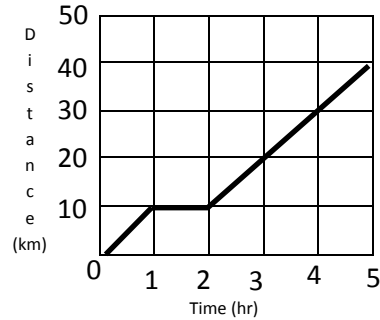
1) Graph A: **CONSTANT**

2) Graph B: **CHANGING**

GRAPH - A



GRAPH - B



3) Calculate the speed for **graph A**: **10 km/hr**

4) Calculate the speed for **graph B** at **1 hr**: **10 km/hr**

5) What happens in **graph B** between **1 and 2 hr**? **stopped or not moving or resting (no change in the distance traveled)**

6) Calculate the **average speed** for **graph B**: **(40 km / 5 hr = 8 km/hr)**

The table below reflects Jack's ride on his skateboard. Use the table for the following questions.

Time (sec)	Distance (m)
0	0
5	30
10	70
15	90
20	120

7) What was Jack's speed from T = 0 sec to T = 5 sec? (**30m - 0 m / 5s - 0s = 6 m/s**)

8) What was his speed from T = 5 sec to T = 10 sec? (**70m - 30 m / 10s - 5s = 8 m/s**)

9) What was Jack's average speed for the ride? (**120m - 0 m / 20s - 0s = 6 m/s**)

10) Was Jack's speed constant or changing? (hint: pick 2 or more distances and times and calculate his speed) **It was changing and not constant.**