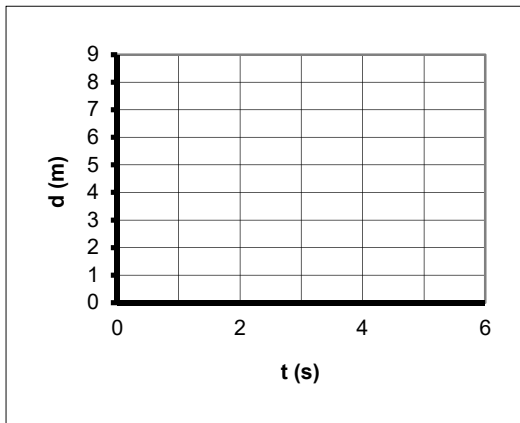


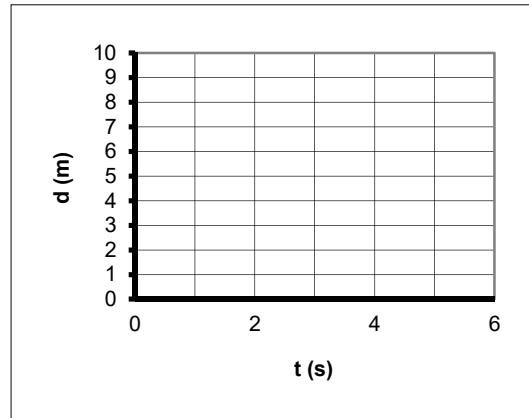
Distance-Time Graphs

Describe the motion of the object in the following distance-time graphs.

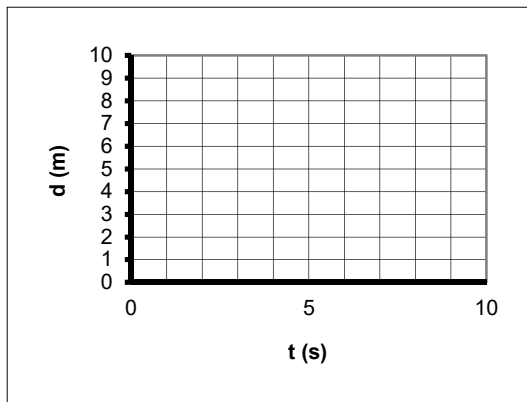
- 1** The object starts at 3 m from the wall. It moves away from the wall at a speed of 2.5 m/s for 2 s until it is 8 m from the wall. It turns around and moves towards the wall at a speed of 4 m/s for 2 s until it is at the wall. It turns around and moves away from the wall at a speed of 5 m/s for 1 s until it is 5 m from the wall.



- 2** The object starts at 9 m from the wall. It moves towards the wall at a speed of 3 m/s for 2 s until it is 3 m from the wall. It then moves towards the wall at a speed of 2 m/s for 1 s until it is 1 m from the wall. It turns around and moves away from the wall at a speed of 3.5 m/s for 2 s until it is 8 m from the wall.



- 3** The object starts at 4 m from the wall. It moves away from the wall at a speed of 2 m/s for 2 s until it is 8 m from the wall. It turns around and moves towards the wall at a speed of 2.5 m/s for 2 s until it is 3 m from the wall. It turns around and moves away from the wall at a speed of 1.5 m/s for 4 s until it is 9 m from the wall.



- 4** The object starts at 4 m from the wall. It moves towards the wall at a speed of 0.5 m/s for 4 s until it is 2 m from the wall. It turns around and moves away from the wall at a speed of 1.75 m/s for 4 s until it is 9 m from the wall. It turns around and moves towards the wall at a speed of 4 m/s for 1 s until it is 5 m from the wall.

