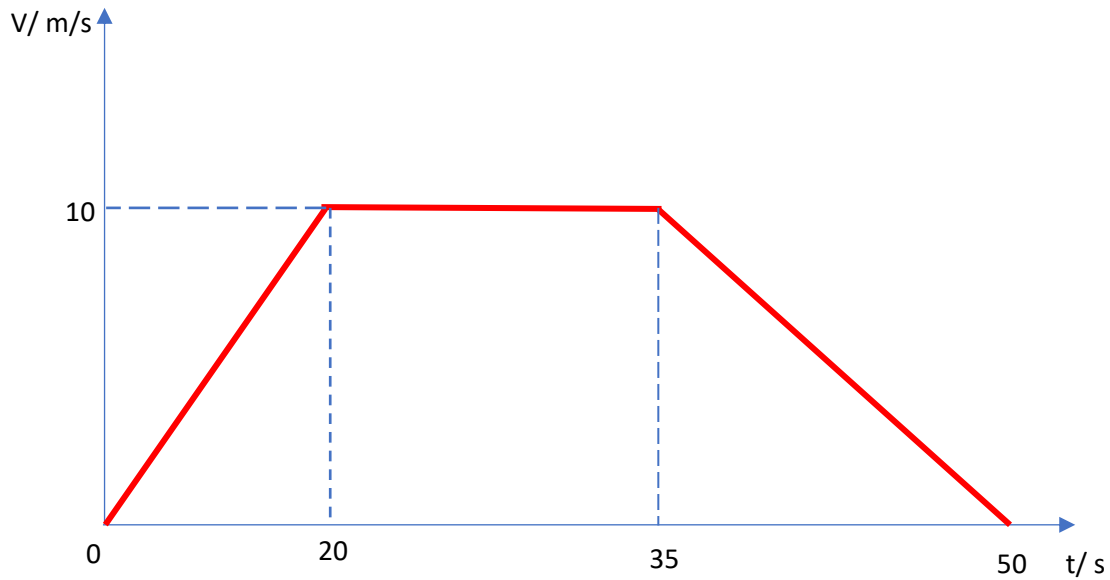


Velocity - Time Graph

1. The diagram shows **Velocity-Time graph** of a car moving along a straight road.
 - a. Find the acceleration in the **first 20 s**.
 - b. Find the acceleration in the **last 15s**.
 - c. Find **a total distance** travelled

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal black lines across its entire width, providing a guide for handwriting or typing. The paper itself is a clean, off-white color.

Velocity - Time Graph

2. A car starts from **rest** on a straight road. The car uniformly accelerates for **40 seconds**, reaching the **velocity** of **25 m/s**. Then the car travels at a constant speed of **25 m/s** for **t** seconds. The car finally decelerates at a constant rate coming to **rest** in a further **30 seconds**.
- Find the acceleration in the first **40 s**.
 - Given that the distance travelled in **1.8 km**. Find the value of **t**
 - Sketch **Velocity-Time** graph.

