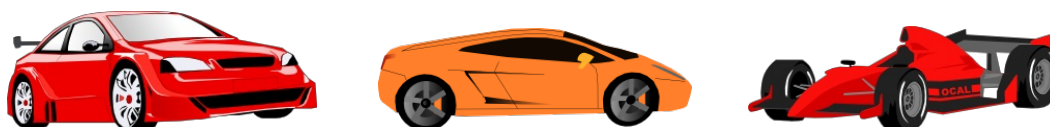


# Car racing

This task is about drawing equations on a line graph.



The Tamaiti brothers decided to race their remote control cars over a distance of 10 metres.

- Malachi's car was given a 6 metre head start and it raced at  $\frac{1}{2}$  a metre per second.
- Liam's car was given a 1 metre head start and it raced at 2 metres per second.
- George's car was given no head start. His car raced at 1 metre per second for the first 3 seconds, then raced at 3 metres per second for the rest of the race.

Complete the graph below by drawing in lines to show the distance travelled over time (speed) for each car during the race.

**The speed of the Tamaiti brothers' remote control cars**

