



# Timester Challenge

## Area Underneath a Graph



**Velocity – Time Graph**  
**Flight of a Drone**

Velocity (m/s)

Time (Seconds)

A police officer was using a drone to scan an area for a wanted person. How far did this drone travel in total?

**Bronze** ★

**Velocity – Time Graph**  
**Cheetah Running**

Velocity (m/s)

Time (Seconds)

a) Estimate the distance travelled in the first 15 seconds.

b) Overestimate   
Underestimate

**Silver** ★

**Velocity – Time Graph**  
**Flight of a Plane**

Velocity (m/s)

Time (Seconds)

Estimate the distance travelled between 30 and 60 seconds.

**Gold** ★



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## Area Underneath a Graph

### Answers

