Match IT

Draw lines to match up the key words with the definitions.

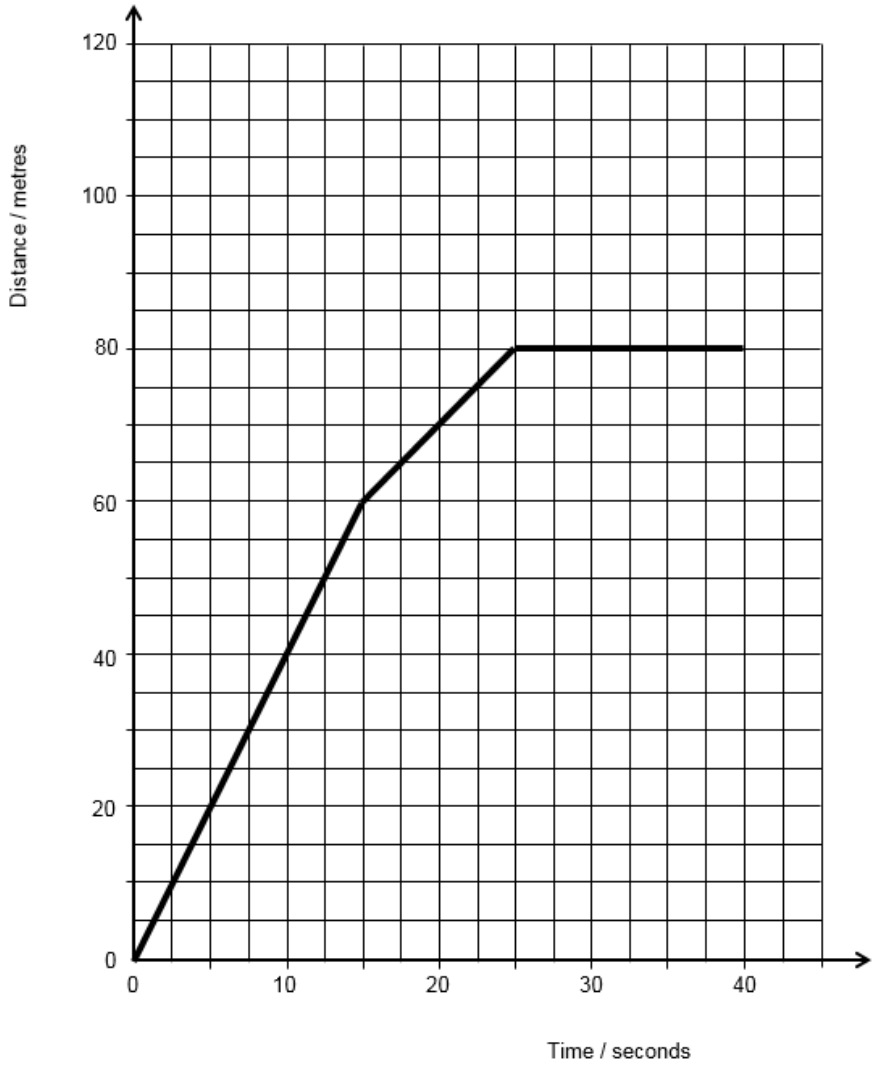
Scalar	A scientific word for size
Vector	Distance **and** direction moved by an object. A vector quantity
Weight	Has both a size (magnitude) and a specific direction
Mass	Acceleration in freefall. $10 m/s^2$
Velocity	Amount of matter an object has
Acceleration	Has a size (magnitude) but no specific direction
Magnitude	Change in velocity over time. Units are m/s^2
g	A force acting on an object due to gravity. $W = m \times g$
Displacement	Speed in a given direction. Units are m/s

Label IT

Label the diagram.

Describe the journey in words.

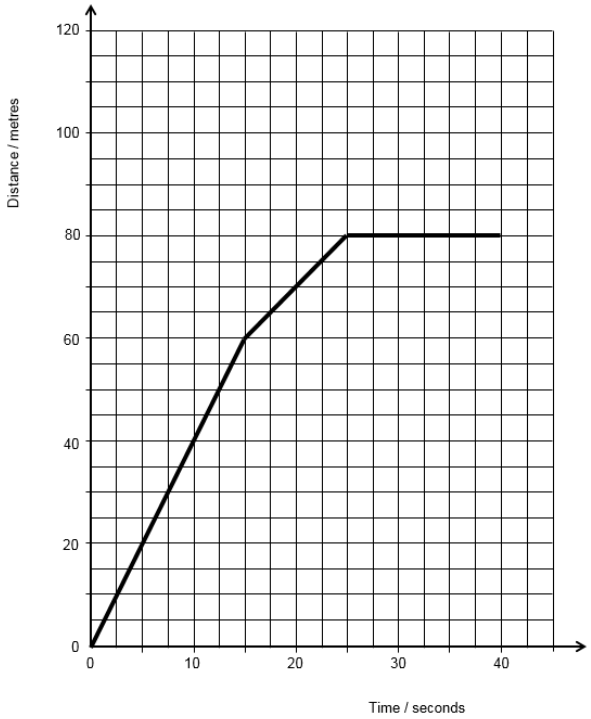
Use the gradient of the line to find the speed over the first 15 seconds of the journey.

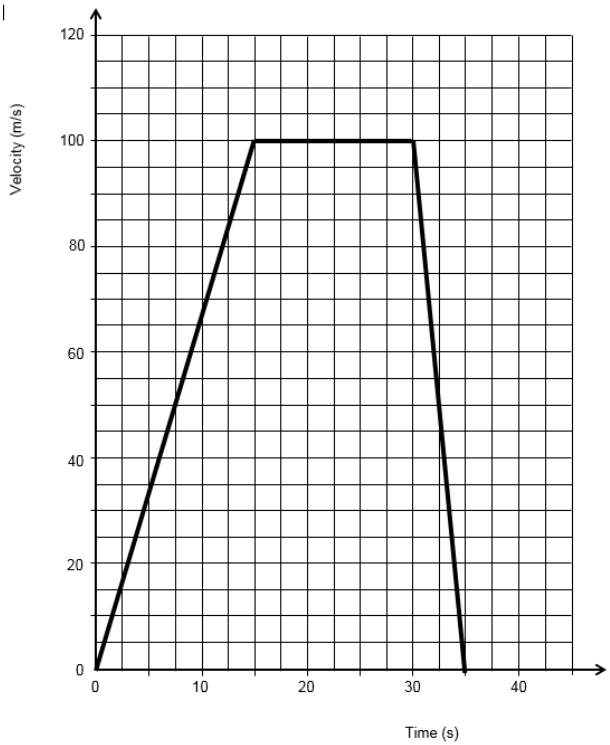


Match IT and Label IT

Match the key word to the definition.

Use the key words to label the diagrams.





Steady speed
Stationary
Accelerating
Gradient
Decelerating

Speed is decreasing
The slope of a line; tells you how steep a line is.
Speed remains the same
Remaining in the same place. Not moving.
Speed is increasing

Dominoes

Distance and direction moved by an object. A vector quantity	Vector
Has both a size (magnitude) and a specific direction e.g. velocity	Magnitude
A scientific word for size	Scalar
Has a size (magnitude) but no specific direction e.g. speed	Mass
Amount of matter an object has	Weight
A force acting on an object due to gravity. W = m x g	Acceleration
Change in velocity over time. Units are m/s2	Resultant force
Single force that has the same effect on an object as all the individual forces combined	g
Acceleration in freefall. 10m/s2	Velocity
Speed in a given direction. Units are m/s	Displacement