

Rosary School – Marj Elhamam



Physics Quiz

No. of Pages: (2)

No. of Questions: (2)

Mark: (____/ 13)

Name: _____

Date: / 9 / 2025

Grade: 9 ()

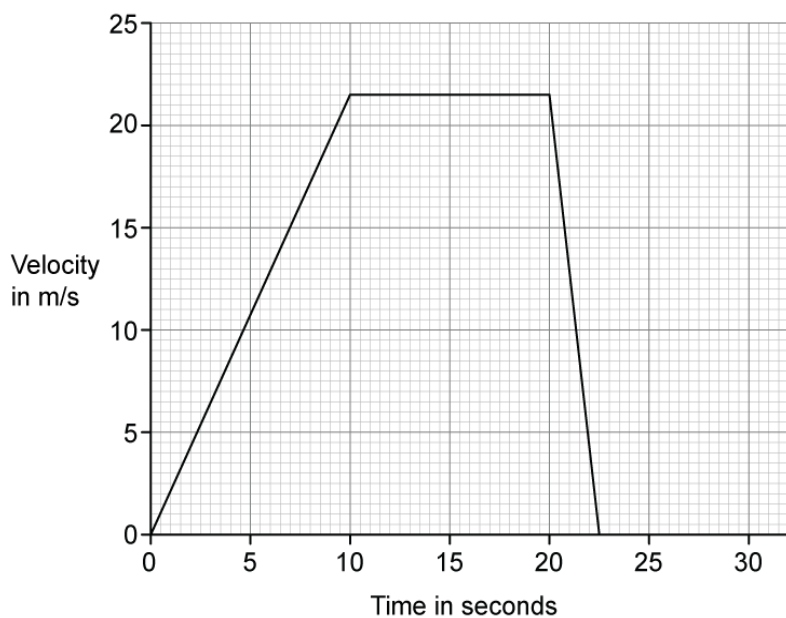
Duration: 15 min.

Form 1

Question 1:

(/ 10)

The velocity-time graph shows how the velocity of a motorcycle changes with time.



- a. With reference to the graph, state and explain which part of the graph shows that the motorcycle has constant deceleration. [4]

b. State the formula linking acceleration, change in velocity and time taken. [1]

c. Calculate the acceleration of the motorcycle between 0 and 10 seconds. [2]

acceleration = m/s^2

d. Calculate the distance travelled between 0 and 10 seconds. [3]

Distance = m

Question 2:

(/ 3)

A car begins at a speed of 3m/s and accelerates at 2m/s^2 over a distance of 40m . Calculate the final speed of the car.