



Physics Quiz

No. of Pages: (2)

No. of Questions: (2)

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Grade: 9 ()

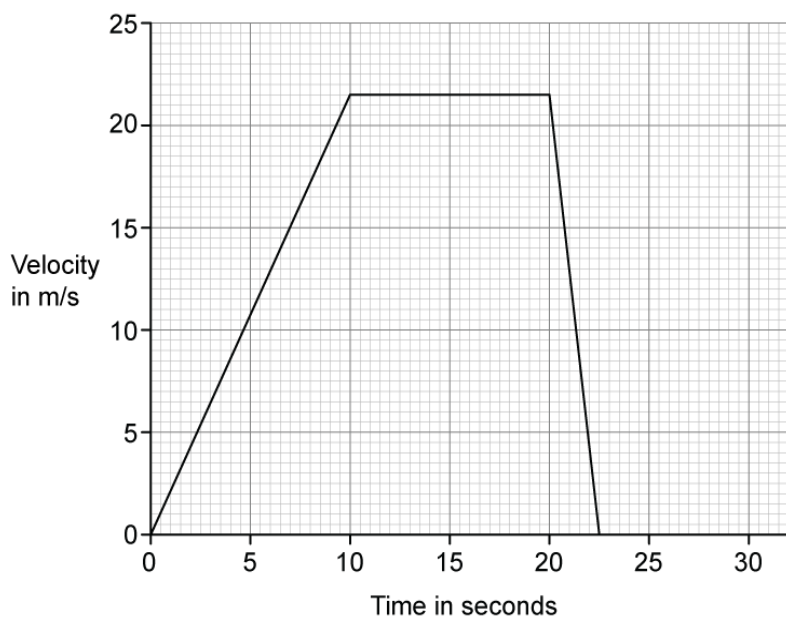
Duration: 15 min.

Form 4

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 speed. [4]

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

c. Calculate the acceleration of the motorcycle between 20 and 22.5 seconds. [2]

acceleration = m/s^2

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

Distance = m

Question 2:

(/ 3)

A car reaches a speed of 15m/s after a deceleration of 2m/s^2 over a distance of 44m .
Calculate the initial speed.

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