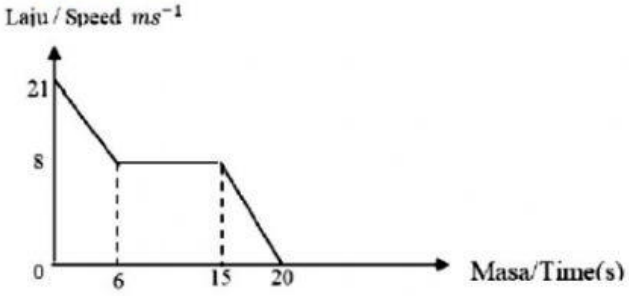
MATEMATIK KSSM TINGKATAN 4

BAB 7 GRAF GERAKAN

SOALAN OBJEKTIF

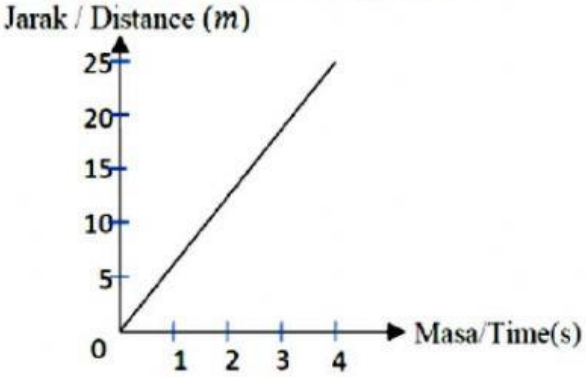
1. Rajah di bawah menunjukkan graf laju-masa bagi suatu zarah.
The diagram shows a speed- time graph for a particle.



Cari tempoh masa, dalam saat zarah itu bergerak dengan laju seragam.
Find the duration, in seconds, for which the particle moves with uniform speed.

A. 8 C. 10
B. 9 D. 11

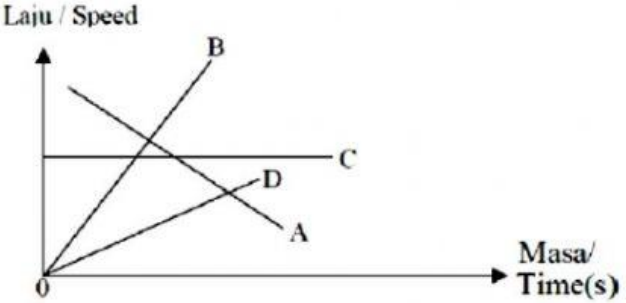
2. Rajah dibawah menunjukkan graf jarak-masa bagi gerakan suatu zarah.
Diagram below shows the distances-time graph for the motion of a particle.



Graf itu menunjukkan zarah itu
The graph shows that particle

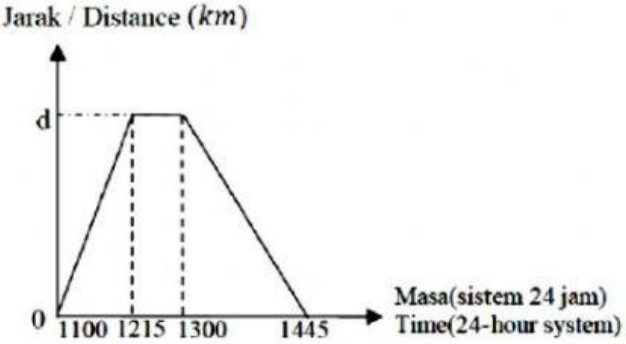
A. bergerak semakin laju
is moving faster
B. bergerak semakin perlahan
is moving slower
C. bergerak dengan laju seragam
is moving with a constant speed
D. berada dalam keadaan rehat
is at rest

3. Rajah menunjukkan empat graf.
Diagram shows four graphs.



Antara graf **A**, **B** **C** dan **D**, yang manakah menunjukkan pecutan negative?
*Which of the graph **A**, **B**, **C** or **D** shows the negative acceleration?*

4. Rajah di bawah menunjukkan graf jarak-masa bagi sebuah teksi
The diagram shows the distance- time grph of a taxi.



Diberi laju purata teksi itu bagi keseluruhan perjalanan ialah 32 kmj^{-1} . Hitung nilai d.
Given the average speed of the taxi for the whole journey is 32 kmj^{-1}. *Calculate the value of d.*

A. 30 C. 120
B. 60 D. 180

LIVEWORKSHEETS

MATEMATIK KSSM TINGKATAN 4

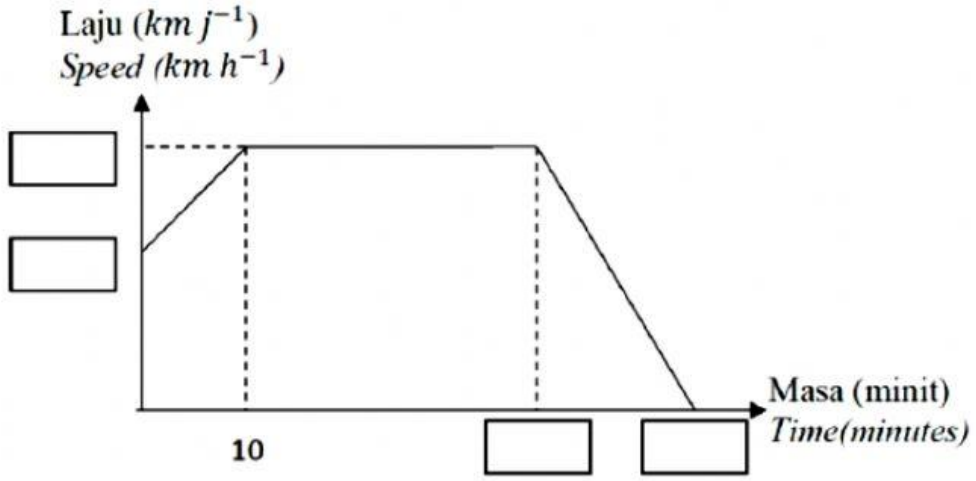
BAB 7 GRAF GERAKAN

SOALAN SUBJEKTIF

Graf laju-masa di ruang jawapan menunjukkan Rafiq memandu keretanya dengan laju 60 kmj^{-1} dan memecut dengan seragam sehingga mencapai 90 kmj^{-1} dalam masa 10 minit. Kemudian, dia mengekalkan kelajuannya itu selama 30 minit. Selepas itu, kereta Rafiq mengalami nyahpecutan sehingga berhenti dalam masa 20 minit.
Lengkapkan graf laju-masa itu.

The speed-time grph in the answer space shows Rafiq drives his car with a speed of 60 kmh^{-1} and accelerates constantly until its speed reaches 90 kmh^{-1} in 10 minutes. Then, he maintains his speed for 30 minutes. After that, his car decelerates until it stops in 20 minutes.
Complete the speed-time graph.

Jawapan / *Answer :*



LIVEWORKSHEETS