BAB 7 TINGKATAN 4 : GRAF GERAKAN

Kuiz ini dibina oleh Pn Wan Harniyanty (SMK Bandar Baru Sungai Long). Selamat menjawab kepada pelajar dan semoga beroleh manfaat.

NAMA:

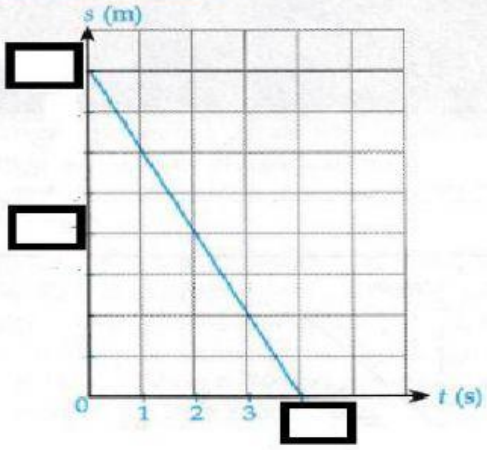
KELAS:

ISI TEMPAT KOSONG DENGAN JAWAPAN YANG TEPAT. SILA ISI NOMBOR SAHAJA.

SOALAN 1 :

$s = -20t + 80, \quad 0 \leqslant t \leqslant 4$

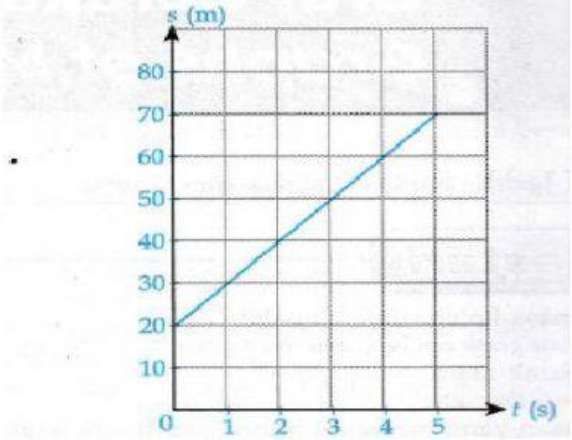
t (s)	0	4
s (m)	80	0



SOALAN 2:

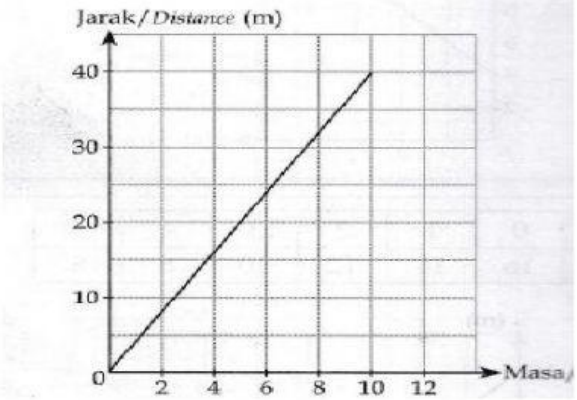
$s = 10t + 20, \quad 0 \leqslant t \leqslant 5$

t (s)		5
s (m)	20	



SOALAN 3:

Pergerakan suatu zarah.
The movement of a particle.



Kecerunan = $\frac{(\quad - 0)\ \text{m}}{(10 - 0)\ \text{s}}$

=

∴ Laju =

Jarak yang dilalui

Kecerunan positif

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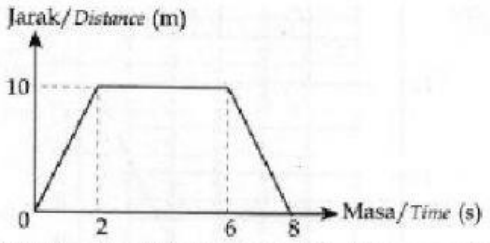
SOALAN 4:



Rajah di atas menunjukkan graf jarak-masa bagi suatu zarah. Cari

The diagram above shows the distance-time graph of a particle. Find

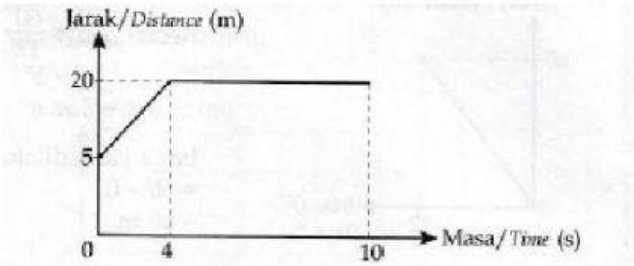
(a) selang masa dengan keadaan zarah itu adalah pegun,
the time interval for which the particle is stationary,

(b) kelajuannya dalam 2 saat pertama,
its speed in the first 2 seconds,

(c) purata lajunya, dalam m s^{-1} dalam 8 s.
its average speed, in m s^{-1}, in 8 s.

(Tulis nombor sahaja tanpa unit)

SOALAN 5:



Rajah di atas menunjukkan graf jarak-masa bagi sebuah kereta. Cari

The diagram above shows the distance-time graph of a car. Find

(a) tempoh masa apabila kereta itu tidak bergerak,
the duration of time for when the car is stationary,

(b) lajunya, dalam m s^{-1}, dalam 4 saat pertama,
its speed, in m s^{-1}, in the first 4 seconds,

(c) purata lajunya, dalam m s^{-1}, bagi keseluruhan perjalanan itu.
its average speed, in m s^{-1}, for the whole journey.

(Tulis nombor sahaja tanpa unit)

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