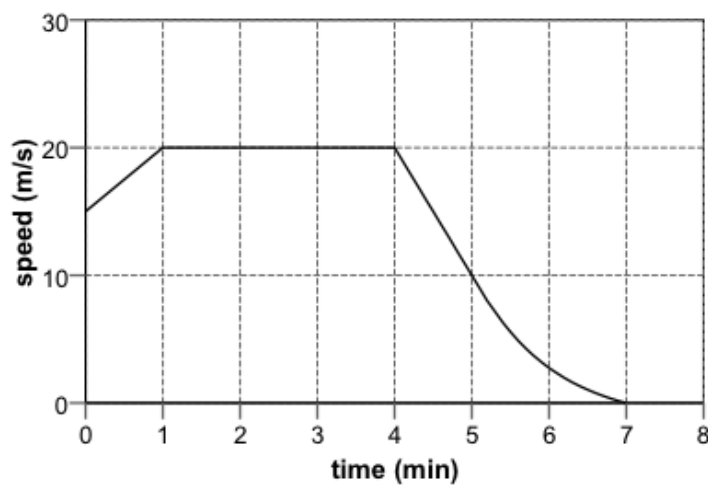




Speed, Distance & Time

2009

15 The graph represents the motion of a vehicle during part of a journey.



What is the best estimate of the distance travelled during the part of the journey shown?

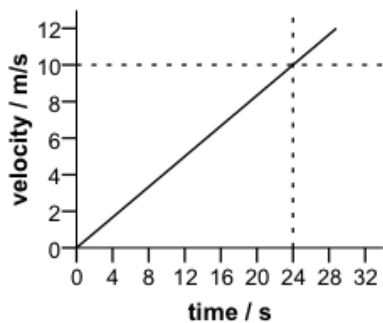
- A 100.00m
- B 107.50m
- C 115.00m
- D 6.00km
- E 6.45km
- F 6.90km



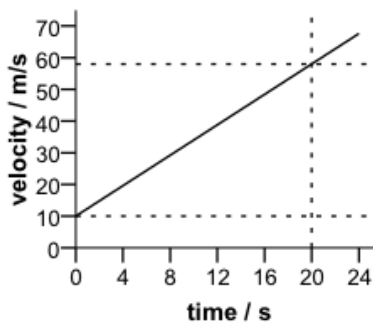
Speed, Distance & Time

2010

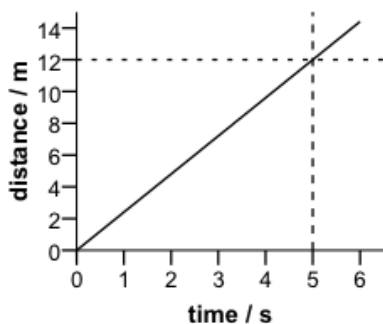
19 The diagrams below show velocity-time or distance-time graphs for 4 different objects, P, Q, R and S.



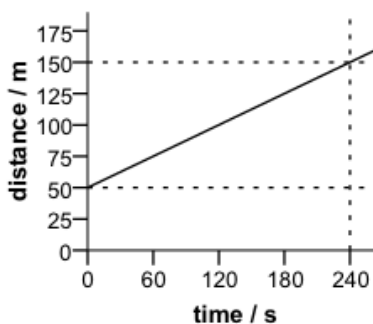
P



Q



R



S

Which graph(s) show an object accelerating at 2.4m/s^2 ?

- A P only
- B Q only
- C R only
- D S only
- E P and Q
- F Q and R
- G P and S



Speed, Distance & Time

2015

- 23 A car is being driven at 20 m/s when the driver sees a child run into the road. The driver's usual reaction time is 0.70 s , but this is doubled because the driver is tired. Once the driver applies the brakes, the car is brought uniformly to rest in a further 3.3 s . What is the total distance travelled by the car between when the driver first sees the child to when the car stops?
- A 33 m
- B 40 m
- C 47 m
- D 61 m
- E 66 m
- F 80 m
- G 94 m