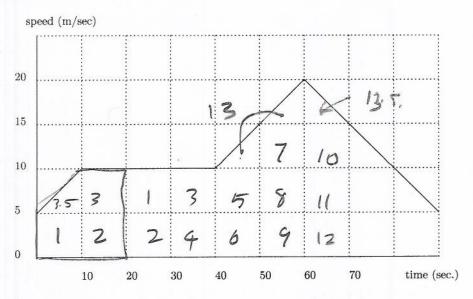
Mathematics 122

Quiz #26

Name: Key

You must show your work to get full credit.

The following graph gives the speed, in meters per sec, of a go-cart as function of time, in seconds.



(1) Each box in the graph represents how much distance traveled?

(10 m/sec) \times 5(sec) = 50 m.

50 me ters

21+ (2) How far does the go-cart travel in the first 20 seconds?

3 \(\frac{1}{2} \) bores = (3.5) \times 50 meters \(\frac{175}{20} \) meters

= 175 meters

How far does the go-cart travel between the times t = 20 and t = 70? (13.7) boxes = (13.5) (50) me ters = 675.0 me ters