

Video 389

Textbook Answers

1a) 240 miles                      b) 15 metres                      c) 90 metres

d) 300 metres                      e) 150 metres                      f) 90 metres

2a) 53                                      b) 125                                      c) 156

d) 334 metres                      e) Underestimate

3a) 53.6 metres                      (this uses co-ordinates (2, 11.6) and (4, 9.2))

b) This is an underestimate

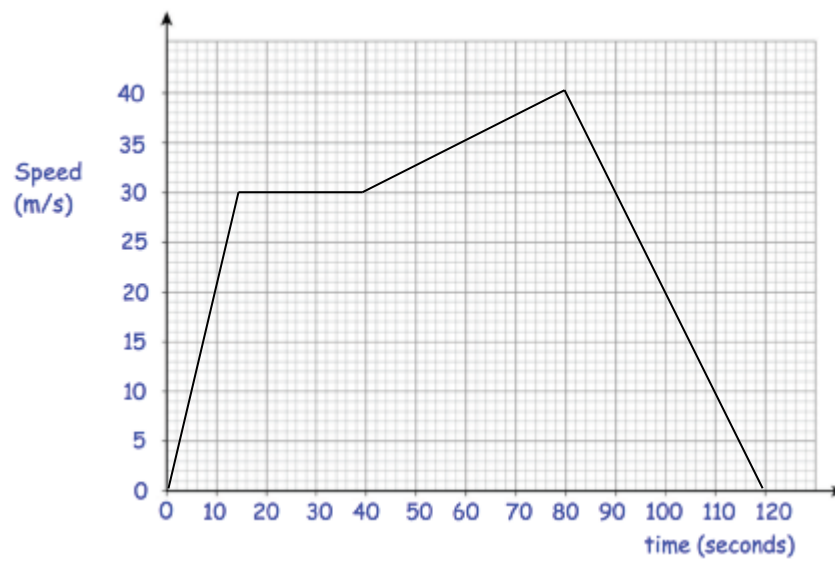
4a) 43.2 metres                      (this uses co-ordinates (4.5, 3.5), (9, 1.5) and (13.5, 0.6))

b) Overestimate

5) The exact answer is  $36\text{m}^2$ . Using 4 strips will give approximately  $33\text{m}^2$

Apply:

- 1) 511 metres
- 2) Approximately 23.5 metres
- 3)  $5512.5 \text{ cm}^3$
- 4a)



- b). 26.4583... m/s
- 5) 15.3 m/s.