

ACTIVITIES 17.1 – 17.4

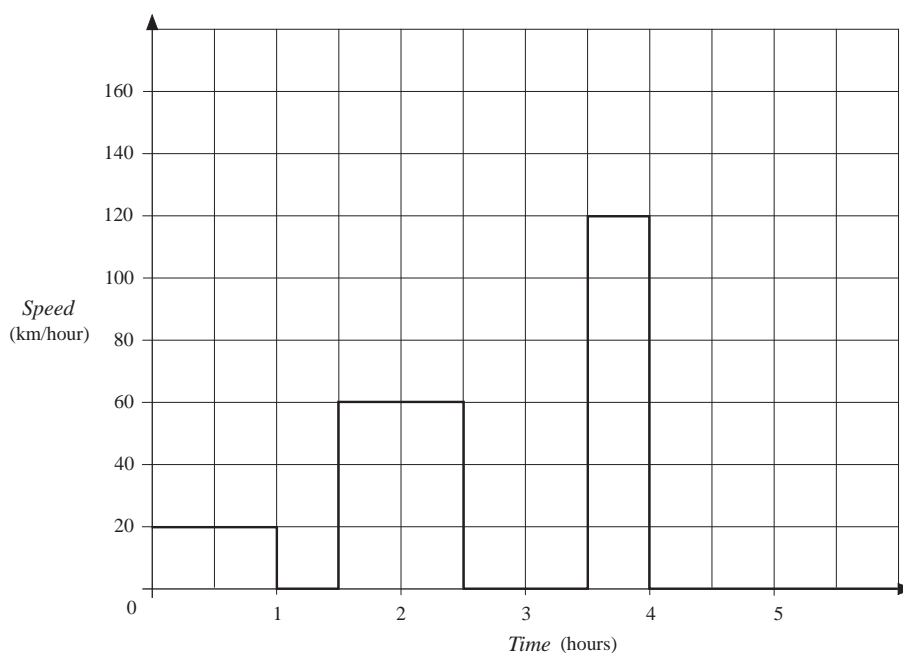
Notes and Solutions

Notes and solutions given only where appropriate.

17.1 3. The critical speed for the fox is about 16.5 ms^{-1} .

Extension The critical speed for the missile is about 210 ms^{-1} .

17.2



17.3 Description to include:

- John is initially in the lead.
- David hits a hurdle twice.
- Nigel hits a hurdle.
- John slows down a bit at the end and is overtaken by Chris.
- It is a deadheat for 3rd place between Nigel and David.

17.4 1. (a) about 13 (b) should be closer to the exact answer (13.1833)
 2. 17.5 metres