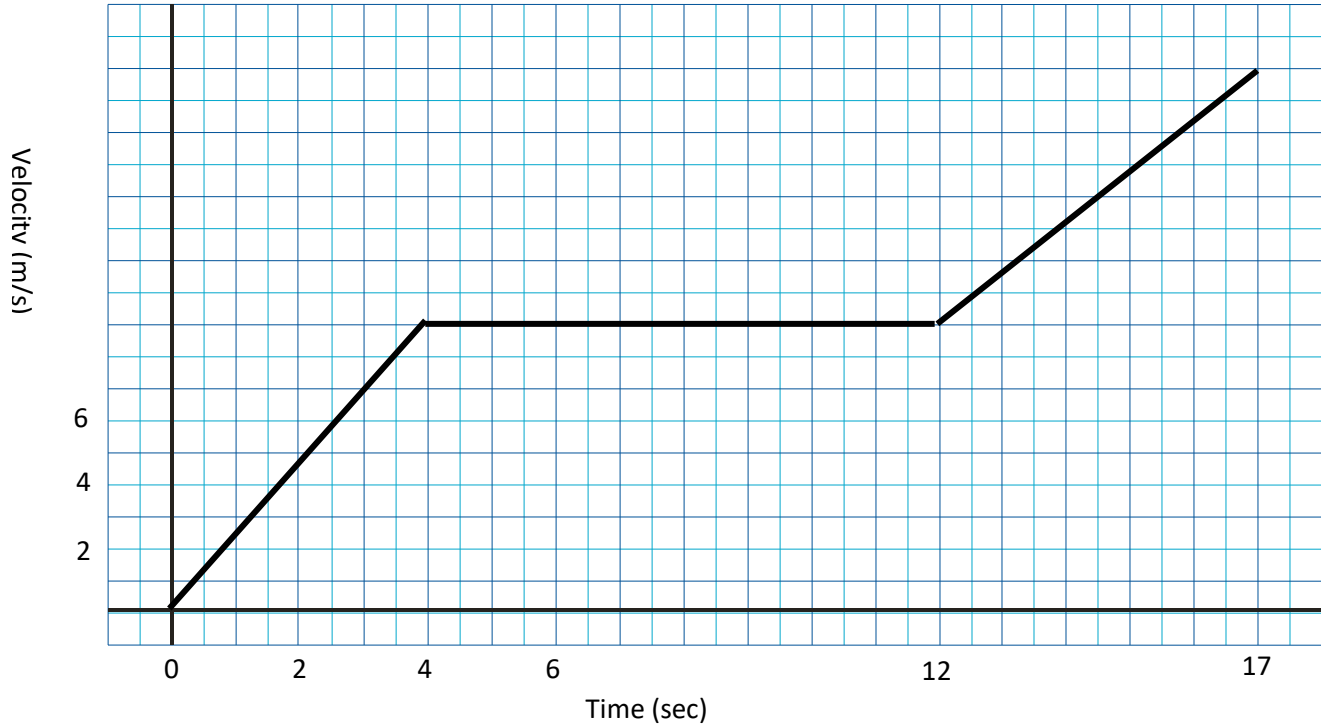


1. For the following velocity – time graph answer the following questions. (10 marks)



- (i) What is the velocity at $t = 4$ sec, $t = 12$ sec and $t = 17$ sec?
- (ii) What is the displacement at $t = 4$ sec, $t = 12$ sec and $t = 17$ sec?
- (iii) On what time intervals does the rocket have (a) positive acceleration, (b) no acceleration, (c) negative acceleration.
- (iv) Create an Acceleration-Time graph for the given object's motion.

