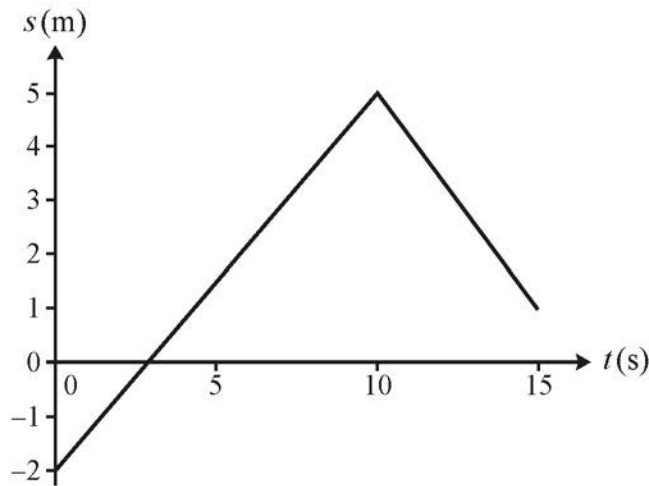


- 1 A particle moves along a straight line. The displacement  $s$  m at time  $t$  s is shown in the displacement-time graph below. The graph consists of straight line segments joining the points  $(0, -2)$ ,  $(10, 5)$  and  $(15, 1)$ .



- (a) Find the distance travelled by the particle in the first 15 s. [2]
- (b) Calculate the velocity of the particle between  $t = 10$  and  $t = 15$ . [2]