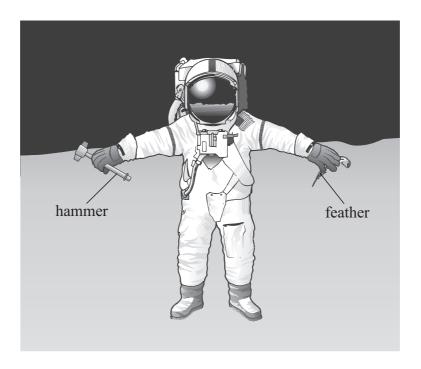
8 The Apollo 15 mission landed on the Moon in 1971.

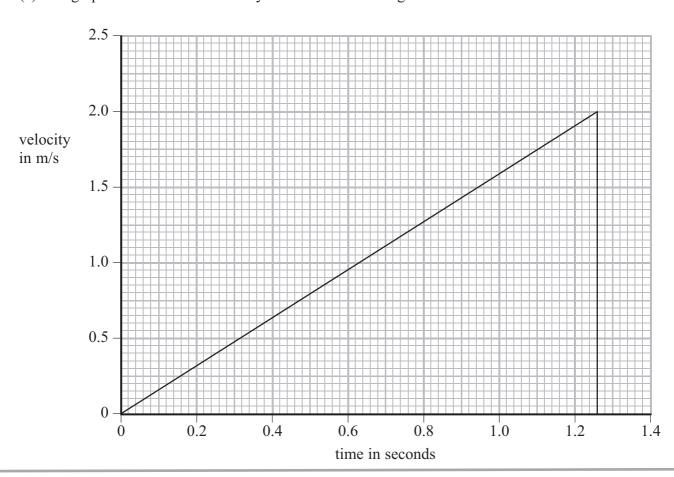
The astronaut David Scott dropped a hammer and a feather.

They were released from rest at the same time and from the same height.

The hammer and the feather landed at the same time.



(a) The graph shows how the velocity of the hammer changed with time.



Give the unit.		gravity on the Moon.	(3)
	Acceleration =	Unit	
(ii) Use the graph to calc	ulate the height the hammer		(2)
	Height =		m
(b) The gravitational field stre Suggest why.			(1)



(c) If the same experiment is carried out on Earth, air resistance affects both objects.	
The feather reaches the ground after the hammer, even though the force of air resists smaller on the feather than on the hammer.	stance
Explain why the feather reaches the ground after the hammer.	(4)
(Total for Question 8 = 10 r	narks)