Instant vs Average Video Notes

Journey to the Moon

$$\text{Speed} = \frac{\square}{\square}$$

$$S = \frac{\square}{\square} = \frac{\square}{\square} = \square$$

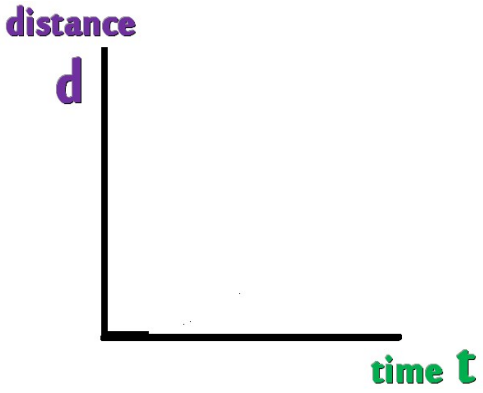
But now you re sat on the moon, your speed is _____ .

What you calculated above was your _____.

$$\text{Average Speed} = \frac{\square}{\square}$$

$$\text{Instantaneous Speed} = \square$$

Pressing on the Gas Pedal



Describe what is happening in the graph:

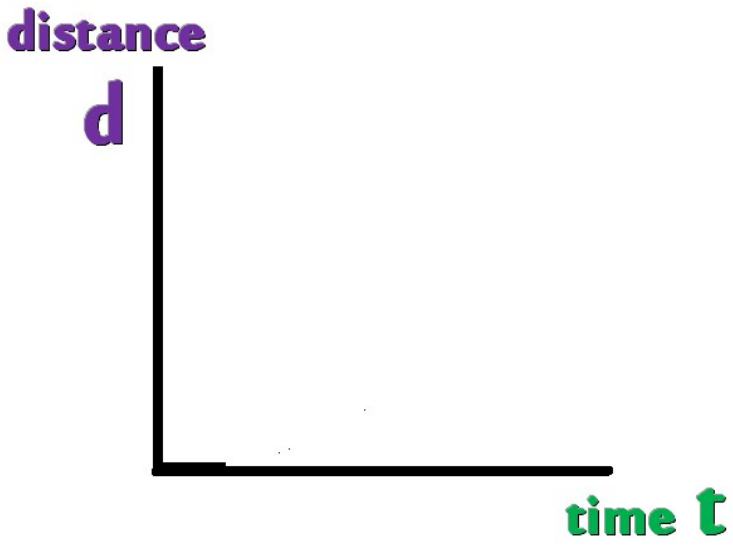
_____

_____

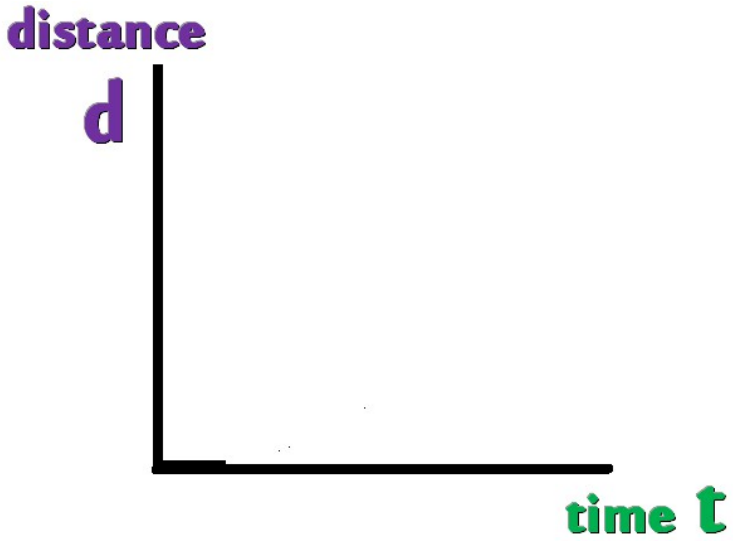
_____

_____

Graph showing how to get average speed using a slope calculation:



Graph showing how to get instantaneous speed using a tangent:



Constant Speed Car