What is average speed? average speed is the speed defined by total distance travelled over ang speed = Total distance Total time. time (periods) , using pendulu B 4 m/period. If a man trovelled from point A to point B at a speed of 2 meter per period and from B to C 4 m per period. What will be the avg speed from pt A to pt C? distance = 300 m speed = 2m/period time = 150 period

B to C = 200 m distance = 4m /period speed = 50 period. time = 300 + 200 avy speed 150 +50 500 - 2.5 m/period So, it means if twat man walk with the constant speed of 2.5 m/period then he can travel from pt A to pt C in exactly same time mems in 200 150+50 = 200 period of times Golileo discovered that the average speed of falling apple and falling stone is same if they were dropped from the same height Golillo also dis covered From St Horse and ball experiment of Gahleo, In phase III What will happen if ball is thrown up 2



	FLIS
	In earlier example,
	Masse a series and a series to
	Horse was running at constant
	Ros Bot Ball will
	J get
	back hands
	of ride
	grider.
	202
سألام	If we do the same on
1.	di Oran da re da hard de la companya
	speeding Horse,
	the second of th
	0 11 11 11 11 1 1
	Ball will follow the fire curese.
	He show ball from the front
<u> </u>	side and he need to
	move his hand beek sick
	3rd person some
	ξ ·



Issac Newton, the man of science Issac Newton was born on 25 December (Christmas Day), 1642 at in the in England, this father, also named Issuc Newton, had died 3 months born. He was born prematurely and there was low possibility. Of his survival but somehow survived. When Newton was 3, his mother remarried to RB Smith, leaving her son in the Care of his maternal grandmother. Young Newton distibled his steffather mother moved out hun because of him. He was distiked his parents to such an extent that he the thresten their "He wanto He hate his mother and stepfather to the extent he tried to burn them and in their house. It is disappointing for any child that he doesnot

get love of parents parents ever they were alive. A lonely childhood without parents and poor financial support chocked him to such extent that he doesnot had no friends, hold Nobody liked him at in childhood and to also bullied people consider him weak. Ite seperate his lovy are those Created history He created sundial and water clock to and people admire him a lot for making this It was a because of his grandmother and Uncle who put effort to make Rev William Asycough

his life better Young Issac asked his unch about how to Salve difficult problem the simply replied instead of asking tase try to find it by yourself with patience. the kept this learning his whole life At school people consider him weak him "Coward Newton" but when he was in 6th grade a fellow student John come start John with patience and nobody after that call him "Coward Went as he hurt him badly the beat John in Education also become top ranked student, the distinguished himself by building sundial and waterclock (Clock Shadow Sundial the time.



He entered in King's school on recommendation of his Uncle. He made friends and become popular because of clusion of his kite. His kite flew the the highest. He become spends less time in studies his performs gets down. He was not among the top students. At the age of 15, his Steffather died and Newton's mother return to his home. He dropped out of School and Start farming to support his family. He was doing this the mother who left when he was 3 yrs old. His family finally decided to send



him back to school. He know that
if he want to stry dway from
forming a he need to study hard
as possible. He has no hotolpies
He burried himself to studies and
grata graduated with honours.
He In 1661, he was admitted to

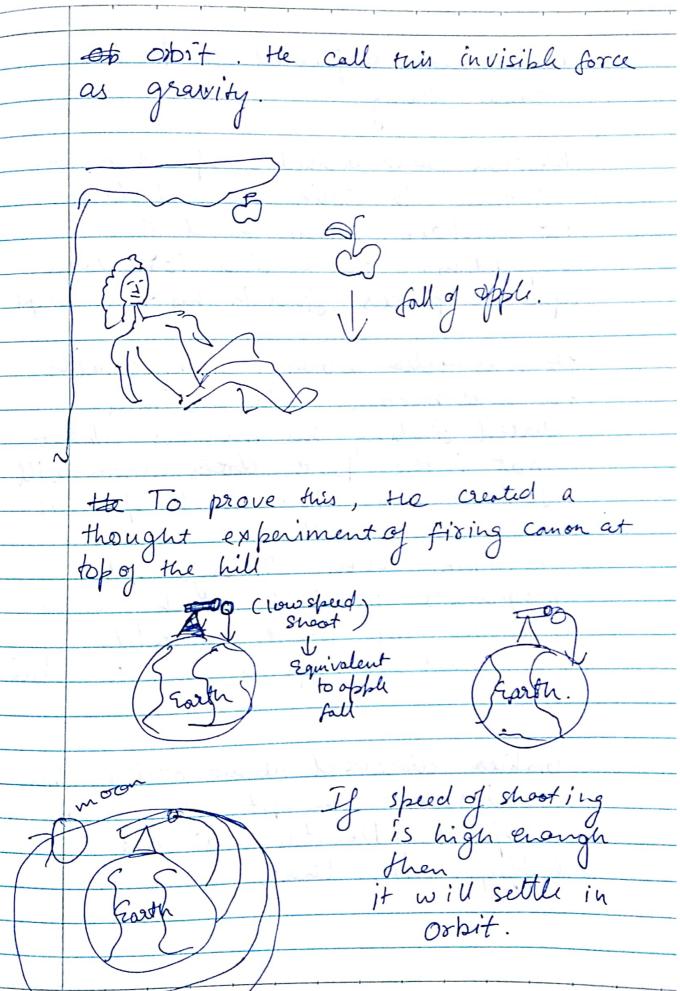
Trinity college, Campridge can the orecommendation of his Uncle who had studied there. He worked as male servent till 1664 in order to finance his studies till 1664 after that the got scholovship after completion in BA (Batche for of Arts) degree and affered 4 more years of Scholorship for MA (Master of Arts) degree.

D+ Hat time college tracking weeks

At that time college teaching were based on Avistotle, plato to sen modern philospher sene Clescarts and astroneres like galile or, kepler roommate John Wide At allege he was mhappy of his because of his fellow students who put pleasure before work. He find them I chasing bad warran in VIllages and drinking instead of working

hard in studies as he got offortunity of study of ellos He comes up with a plan to study study plan. To avoid temptation, he burried monself to studies He study 18 hours Vaday 7 days of his room. As his life his

Alter Hand of 10. times, plague strucked to England, University was closed to to avoid infection he returned Just outside the family home, near apple orchid he was sitting and reading book Instead of trinking about mose he was trinking about mose around going around the project earth and work of Rene's Descarts Suddlinly, apple fall on his nead and story began it changes everything
He realized it is the same thing which total apple makes apple fall pelp moon in the

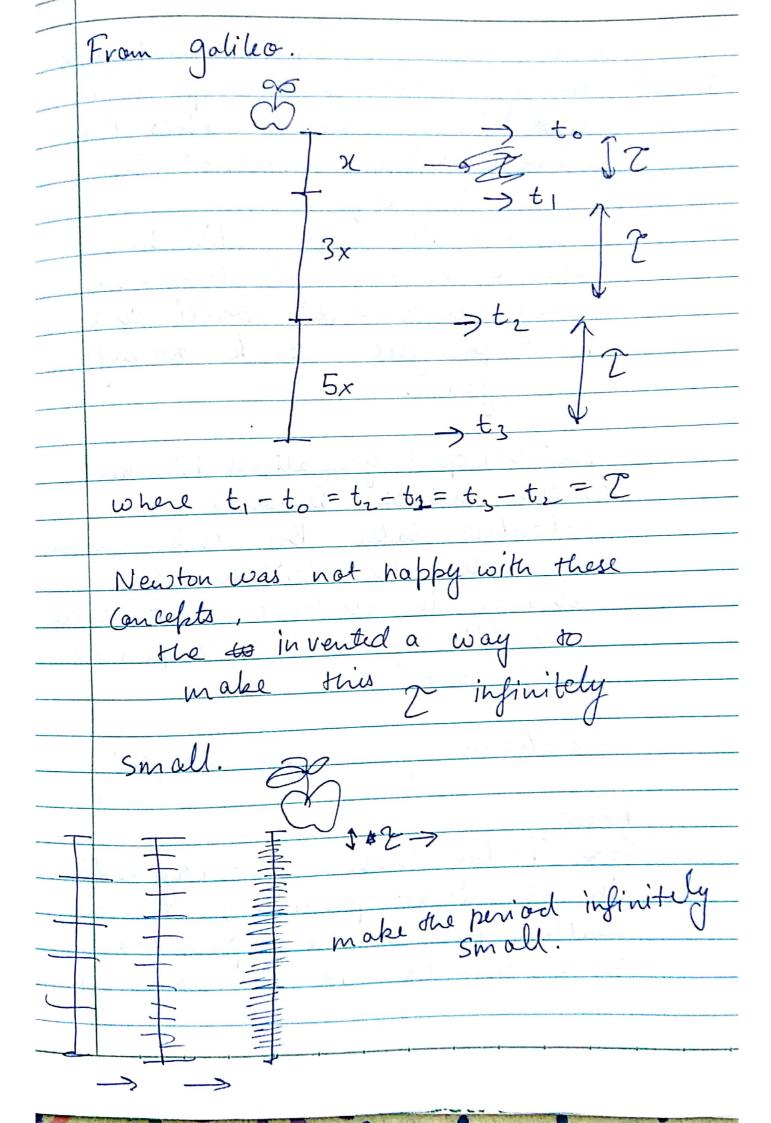




By this he confirmed it is the same thing. Newton was a used to spend a lox of time in Solitude and alone.

He adore every kind of value Computation. The U find log value. apto so places find in his manuscript the was also watering on binomalth the was become curious and started finding his answers about what is the path does moon will follow and how much speel is gregnized to settle it to this In orbite Even Today's space program's newton's work is used whenever we want to settle a statellite in space and the orbite-Gratileo discovered about odd number

Gratileo discovered about odd mulen series and concept of overege Speed. Newton was not happy with that.





He was working on binomial and
theornigeometry and come up with
and idea which makes this
period infinitely small out the
V
age of in 1666 still he
was a storying at home as
callege was I dot dosed due
callège was I st. dosed due to plague strick to before
an year.
the developed generalized binomial
theorn which become
Calculus later. By this newton
was able to colculate the
change in distance when over
a small infinilely small period
of time.
This dis covery changes everything.
U
From
Even Today these discovery helps
in chemical predicting drawcal
Even Today these discovery helps in chemical predicting dremical realtion rate to the populations
in e conomics. It changes everything



He was the greatest mathematicion physion in the history of Science. He become the superher superher of all the lagual scientist born after him like Albert Einstien, and the whole story was began just try, of all of an apple.