## Speed, Density, Pressure

Problem

John travels from A toB a distance of 80km at a speed of 20 km/h. He then travels from B to C a distance of 60 km in 3 hrs. He then travels from C to D in 5 hrs at 15 km/hr. What was his average speed from A toD

	Speed	Time	Distance
AtoB	20 tr-sh	Ahrs	80kz
BfoC		3 hrs	60 Km
( to )	15 km/h	Shos	75 Km

Typical Questing

A has a density of 45/cm<sup>3</sup>

B has a deasily of 75/cm3

If 100cm of A is mixed with 50g of B to make compound C, what is the density of compound C.

Average	Density =	Total Nolme	
	Density	Mars	Vol
A	45/003	4009	100 cm 3
B	75/~?	503	50 cm3
	TOTALS	4509	107.14

density of  $\zeta = \frac{450}{107.14}$ =  $4.25/cm^3$