Compound Measures Revision





John drives from A to B at 50 mph for 2 hrs. He then drives from B to C a distance of 120 miles in 3 hrs. He then drives from (to D a distance of 80 miles at 20 mph.

What was his average speed for whole journey from A to D

A	_	C

Speed	Irme	Distance
50 mph	2 hrs	100 miles
	3 hrs	120 miles
20014	4 hrs	80 miles
	<i>a</i> .	700 (.

Compound A has density $6g/cn^3$ Compound B has density $8g/cn^3$ 50g of A are mixed with 120g of B to make a compound C What is the density of C? Density of $C = \frac{Tofel Mess}{Toful Volume}$ $= \frac{50 + 120}{23.33} = 7.29$ Beach Mass Vol Vol A $6g/cn^3$ 50g 50/6 8.33B $8g/cn^3$ 120g 120g 15.00170g $23.33 cn^3$