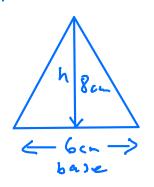
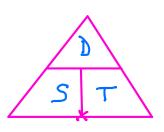
Huk Review

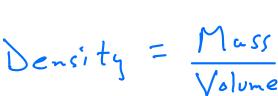


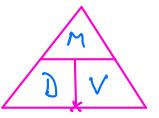
Compound Measures.

Speed, Time and Distance

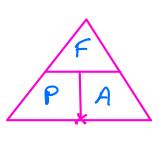


Density, Mass and Volume





Pressure, Area and Force Pressure = Force Area



Speed, Time, Distance

Speed = Distance, Time = Distance

Time

Speed

Distance = Speed x Time

Example

I drive 40 km from A to B in 2 hours.

I then drive from B to C a distance of 80km

In 5 hours. I then drive from (to)

for 3 hours at 25 kn per hr.

what is my average speed for whole joveney!

Averege Speed = Total Distace Total Time

	Speed	tine	distance
A >5		2	40
Q-> C		5	80
C-7D	25	3	75
Total		10	195

Ex2 E 60F 3hrs at 20 kmph

F to G 60 km in 4 hrs

G to H 100 km in 5 hrs

Find average speed distance Speed 20 3 60 E->F 60 4 FTG 6->H 5 100 Total 12 220

Auge speed = 220 = 18.3 Knph

Exercise

Find average speed

	speed	time	distance
$A \rightarrow \emptyset$	20	5	100
(-> (4	106
C 7)	40	2	80
	Totals	11	280

Auge Speed = 280 = 25.5 Kuph

Density, Mass, Volume

Example

I mix 30g of substance A with density 5g/cm³ with 80g of substance B wit density 10g/cm³ What is the density of my mixed compound

	Dessity	V ₀ (Mass
A	5 3/0-3	6 cm	305
B	108/ 627	8ch?	80 ₅
Compound	tot	14 cm3	1109

Compound density = Total Mass = 110 = 7.86 Total Volume = 14 9/cm

Density = Total Mass = 950 = 8-26 g/cm²