

		_	Page: 2	<del>-</del> /		
58.18	At what temperature will the colsius Scale n	eading a	double 4	he Fal	renheit	
-A	Scale? Son Let, F=2, then, C=22		4			
	we have, c = F-32	·	1 -, 1			
		- 1/6	<u> </u>	<u> </u>		
7	100 150.					
٠.	$\sigma_1$ 360x = $100x - 3200$	) (, n	1 7 1	1		
	$\Rightarrow \chi = 12.3^{\circ}F$					
	thus, At 12.75°F temperature, Celsius Scale re	ading do	uble the	Fahrenh	eit Scale.	
#	Thermal equilibrium:	121	. Niko	1		
	Two bodies are said to be in thermal	equilibrium	m 9 4	ey ho	ave	
	Same temperature.	1			·	
	When a hot body is kept in contact with cold body, the heat flows					
	from hot body to cold body until they attains some temperature					
- !	and finally their temperature becomes same this condition is said to					
	be thermal equilibrium.					
·	and the same of th	1 1 N		<u> </u>		
# 1	zeroth law of Thermodynamics:					
13 A	ocording to this law, if two bodies are				100	
în	thermal equilibrium with a third body		<u> </u>		corang -	
Say	parately then all the bodies are in		- 18/4	K	1/2/1	
- Hh	esmal equilibrium.	A	1	3	4	

equillibrium.

Indulating wall dynamics

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	let us consider three bodies A, B and C are Join together Such that
-	Dand B are separated each other by insulating wall whereas they
	are separated by c with conducting wall. Also let Ta. TB &T.
	are temperature of body 0,820 respectively.

Since, Rand C are in thermal equilibrium, So,

Also, Band C are in thermal equitibrium, so,

TB=Tc -- (1)

from eq 6 & lin

TA=TA

Which Shows that if two hodies ARB are in thermal equilibrium with body C, then ARB are also in thermal equilibrium.

#	Heat	Temperature 1
	It is form if energy	1 It is degree of hothers or coldness of body.
	It is measured by calorimeter	2 It is measured by thermometer.
-   2	It's SI unit is Joule.	3 H's SI unft is Kervin.
- 4	It is an cause	1 It is a effect.
11		00