ANSWERS TO ACTIVITY 11 & 12.

1.M.A is the number of times a machine eases a given load.	L =25 X 3
	Load = 75N.
2.M.A = L/E	OR,CAN WE TRY THIS STEP TOO;
3.Load = 80kg	M.A = L/E
Effort = 40kg	2.5 = L/30N
M.A = ?	2.5X30 = L/30X30
M.A = Load over effort(L/E).	=75N = L
M.A =80/40	Therefore L=75N.
M.A=2.	
4.M.A = L/E	No7. M.A = L/E remember under work we said, 1kg = 10Newtons.
M.A =150Kg/50kg	M.A = 17.5Kg/140m
M.A =3	M.A=17.5X10/140
5a. Turning point/pivot.	M.A=1.25 Remember M.A has no units as the answer.YOU CAN TRY any other method please.
b. Lever	
c. First class lever.	
d. Observe Tr.Jackson's method first.	ACTIVITY 12
*Husband x 4m = wife x 3m.	 An inclined plane is a machine with a sloppy surface.
*60kg x 4m = Xkg x 3m	2.Stair cases,Ladders,Winding roads.
*240 = 3X	3.They can be used for loading and offloading goods on vehicles.
240/3 = 3X/3	
80 = X	 -ladders can be used for climbing trees and buildings.
Therefore X = 80 Kg.	-winding roads are easy to climb hills and
e). M.A = L/E	mountains.
M.A =80Kg/60kg	4.Y Effort, x Load
M.A =1.3	5.Increasing the length of the slopping surface.//by inclining or lengthening the slopping surface or ramp/slope.
No 6. Load = M.A X E	
L=25 X 30	