**10C F=ma**

1. Find the weight in Newtons, of a particle of mass 12kg.
2. Find the acceleration when a particle of mass 1.5kg is acted on by a force of 6N
3. Find the values of the missing forces acting on the object in the diagram below

a)



b)



1. A particle of mass 5kg is pulled along a rough horizontal table by a force of 20N, with a frictional force of 4N acting against it. Given that the particle is initially at rest, find:
2. The acceleration of the particle
3. The distance travelled by the particle in the first 4 seconds
4. The magnitude of the normal reaction between the particle and the table