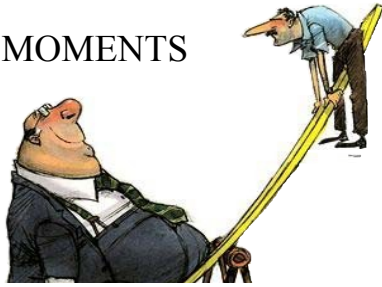
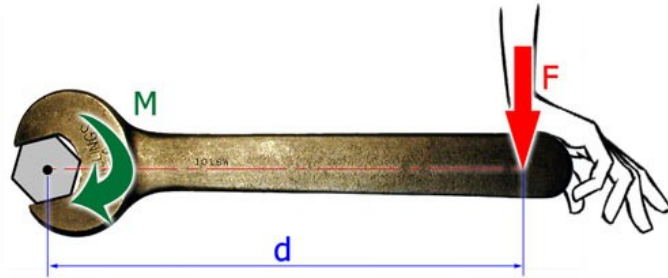


## MOMENTS



1. To **fully understand** what is meant by the moment of a force
2. To be able to solve problems involving moments



### Definitions

A **moment** about any point is defined as the **force** multiplied by the **perpendicular distance** from the line of action to the point.

### Principle of Moments

If an object is in equilibrium, the **clockwise moments** are **equal** to the **anticlockwise moments**.

In the diagram, this means that

$$F_1d_1=F_2d_2$$

