

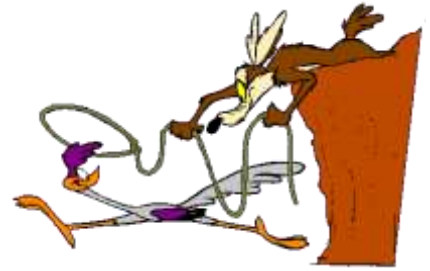
Moments and Levers

The turning effect of a force is called a "moment".

We work it out using **Moment = Force x Distance**.

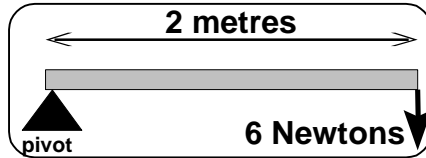
The force must be in Newtons (N), the distance in metres (m), and we measure moments in "Newton Metres"(Nm)

Sometimes the distance may be in (cm) in SATs questions.

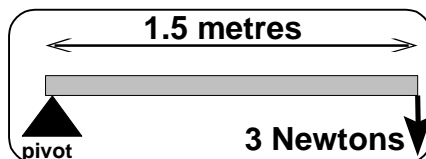


Answer these :-

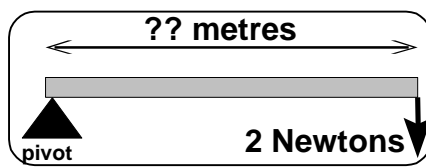
1. What is the moment of this force ?



2. What is the moment of this force?

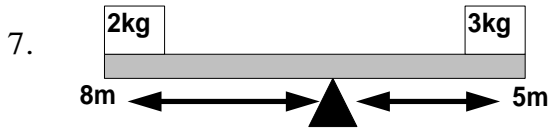
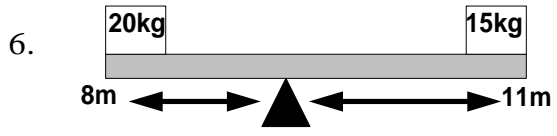
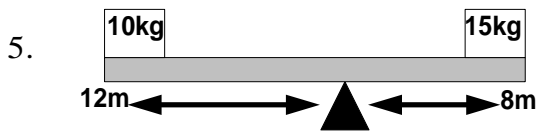
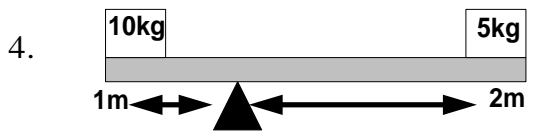


3. What is the length of this lever if the moment is 8 Nm ?



For a see-saw to balance, the **moments on each side** must be the same.

For each of these, write "**balanced**" or "**unbalanced**".



All of these see-saws are balanced. Work out the missing number for each one.

