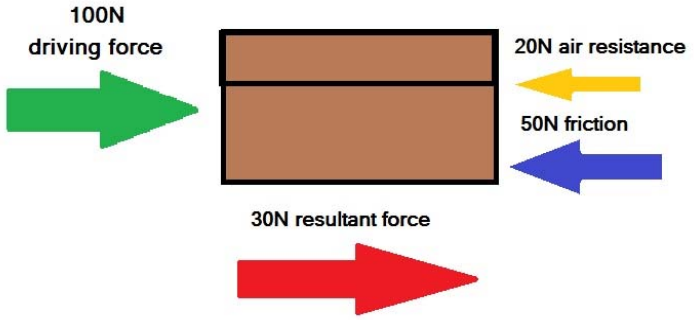
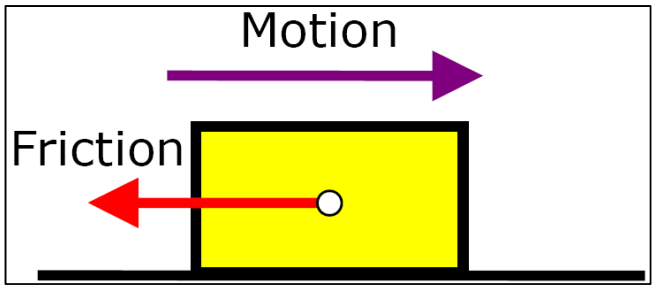
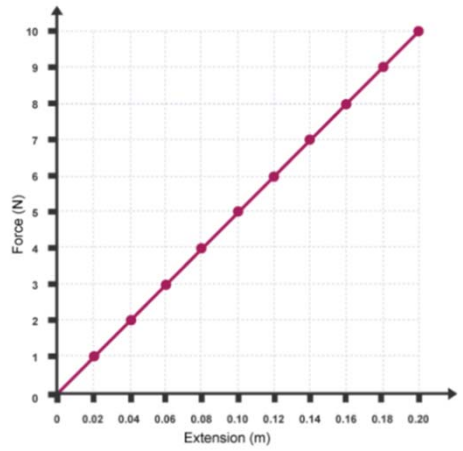
Science Knowledge Organiser

Glossopdale School

Y8 Forces: Contact Forces





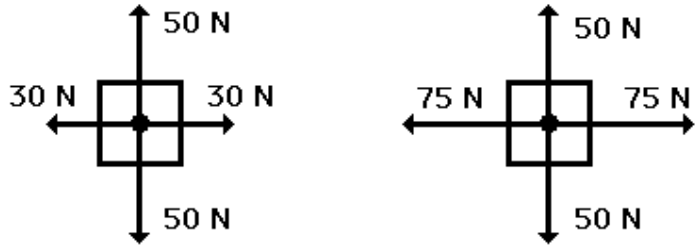


Hooke's law is a linear relationship

Key words

Compression	Force squashing or pushing together.
Contact force	One that acts by direct contact.
Deformation	Changing shape due to a force.
Equilibrium	State of an object when opposing forces are balanced.
Friction	Force opposing motion which is caused by the interaction of surfaces moving over one another. It is called 'drag' if one is a fluid.
Linear relationship	When two variables are graphed and show a straight line which goes through the origin, and they can be called proportional.
Newton	Unit for measuring forces (N).
Resultant force	Single force which can replace all the forces acting on an object and have the same effect.
Tension	Force extending or pulling apart.

When forces on an object are at equilibrium they are balanced. There is no change in an objects motion.



These two objects are at equilibrium since the forces are balanced. However, the forces are not equal.