

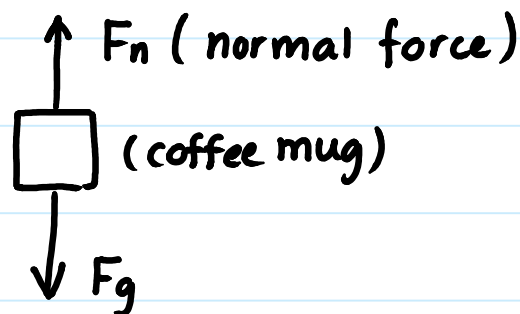
# Free-Body Diagrams

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These are diagrams used to show the relative magnitude and direction of all the forces acting on an object.

- use a square/rectangle to represent the object
- direction of arrows show the direction that the force is acting.
- size of arrows show the magnitude of the force.
- each force (arrow) must be labelled.

Example 1 : Draw a free body diagram of coffee mug (at rest) on a table.



Example 2 : Draw a free body diagram (FBD) of a toy being pushed across a table.

