

## **Turning forces**

When a force acts at a distance from a pivot - for example, when your hand pushes the end of a spanner to tighten a nut - the force has a turning effect around the pivot.

The strength of the turning effect depends on both the size of the force and the distance from the pivot to the line along which the force acts. In other words, you can tighten a nut more firmly either by pushing the spanner harder, or by using a longer spanner.