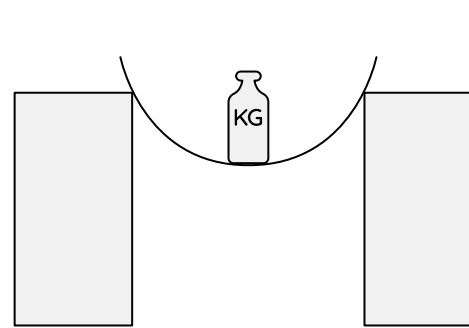
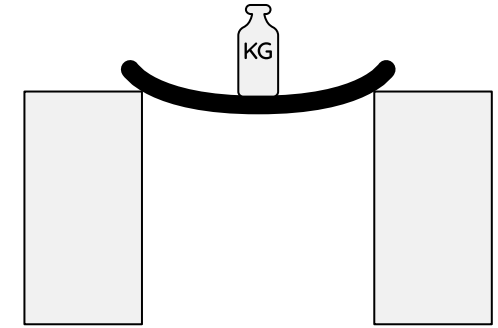


A chair is a freestanding structure made from different parts.

### Stiff and flexible materials

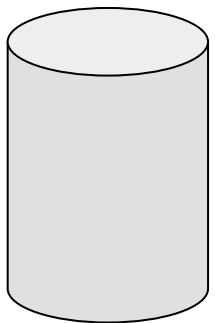


**Thinner** materials are more **flexible**. They can bend easily.

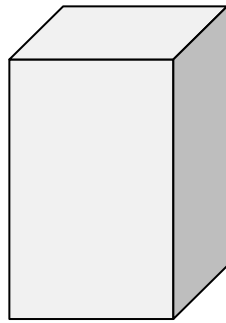


**Thicker** materials are more **stiff**. They **cannot** bend easily.

### Strong shapes



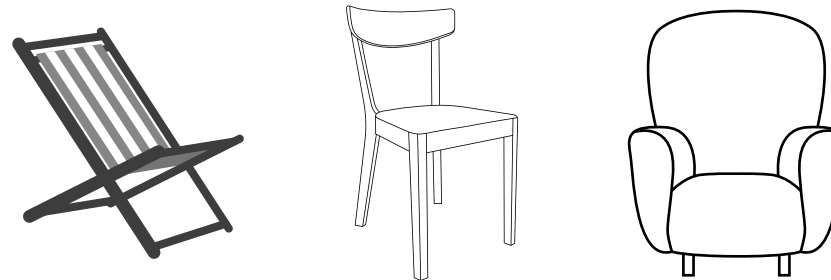
strong



weak

Cylinders are **strong** shapes because they are **curved**.

Chairs are made for different users and purposes. The **design brief** tells you who the chair is for and how it will be used.



**Design criteria** are things that the chair must have or do to work well.

**Evaluate:** looking at what is good and bad about something and thinking about how to make it better.

**Improve:** make something better by making it work well or look nicer