

Scissors

Definition:

Scissors are a pair of long, flat blades set into grips and held together with a hinge. They are used for cutting paper, string, and other thin materials of that nature.

Analysis:

A pair of scissors consists of five parts: two blades, two grips, and a hinge.



Blades:

- Triangular: 10cm long; 1.5cm wide at the base, tapers to 2mm wide at the tip; 2mm thick
- Made of stainless steel
- Inside edges are beveled and sharp
- When the sharp edges converge, it slices the material between them

Grips:

- Made of hard plastic
- Two sizes: one intended for thumb and one for other fingers; fingers and thumb are inserted into holes in the grips to keep them away from sharp blades
- The smaller, thumb grip has an oblong hole that is 4cm long, 2.2cm wide, and 2.2cm deep
- The larger, finger grip has a distorted oblong hole that is 6cm long at the longest point, 2cm wide at the widest point, and 2.2cm deep
- While fingers and thumb are in the grip holes, pressure is applied by opening or closing the hand, causing the blades to separate and converge

Hinge:

- A metal pin holding the two blades together, unseen
- Capped on either side with a hard plastic, circular top 1cm in diameter
- Allows blades to swing freely apart and back together