

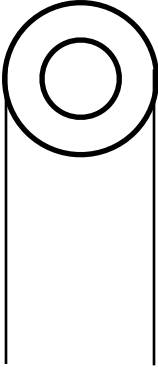
Name: \_\_\_\_\_

# Pulleys

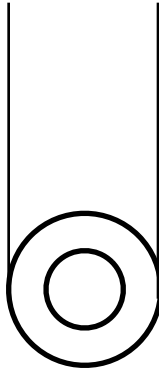
A pulley is a wheel with a groove. A rope, belt, or cable runs inside the groove and the pulley is used to lift loads with less effort.

There are different types of pulleys.

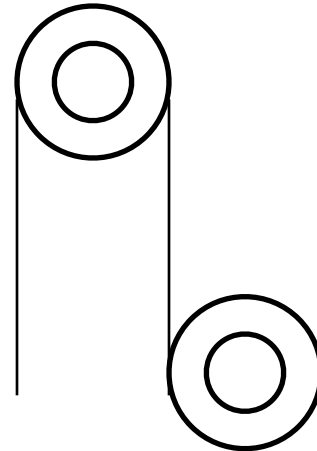
fixed pulley



moving pulley



fixed pulley and a moving pulley



The more pulleys in a fixed/moving pulley system, the easier the effort to lift the load.

**Directions:** For the pulley systems below, draw arrows to show the direction each part of the rope is moving. Label which part of each picture shows **Load** and **Effort**.

