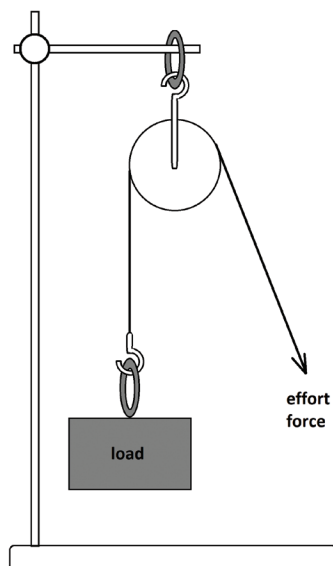


A single fixed pulley



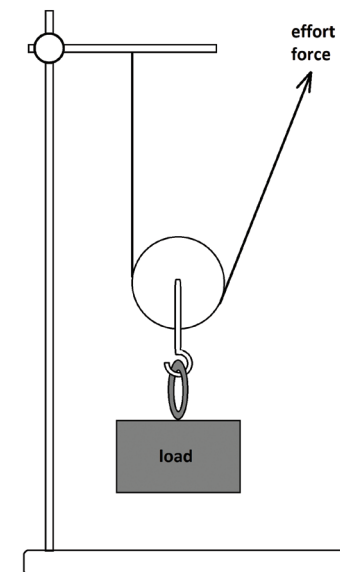
Pull down on the string to lift the load.

Lift the load without the string.

How do they feel? Are they the same or different?

What have you found out?

A single moving pulley



Pull up on the string to lift the load.

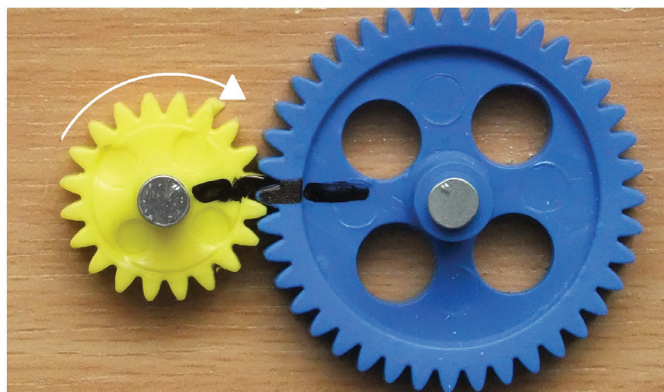
Lift the load without the string.

How do they feel? Are they the same or different?

What have you found out?



A small cogwheel driving a large cogwheel



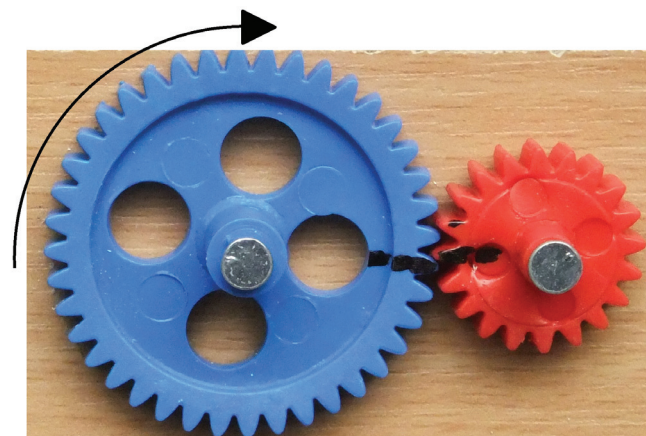
Turn the small cogwheel clockwise.

In which direction does the large cogwheel turn?

Does the large cogwheel turn faster or slower than the small one?

What have you found out?

A large cogwheel driving a small cogwheel



Turn the large cogwheel clockwise.

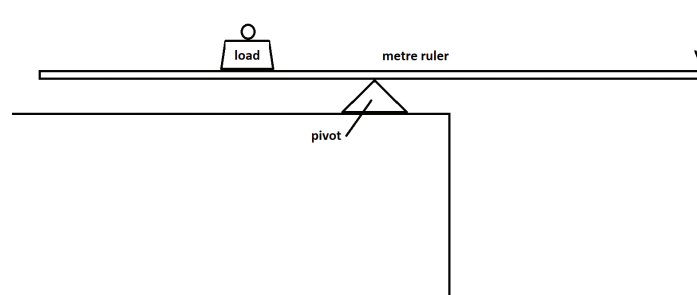
In which direction does the small cogwheel turn?

Does the small cogwheel turn faster or slower than the large one?

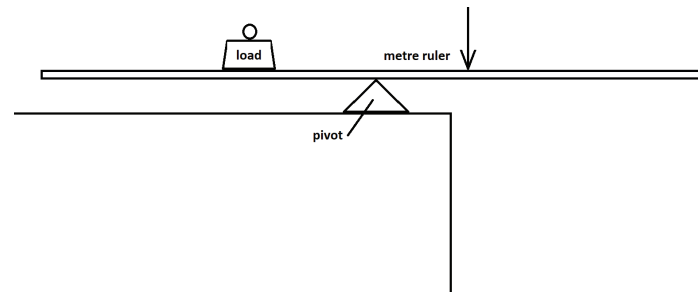
What have you found out?



Levers



Push down gently near the end of the ruler to lift the load.



Now push down gently near the pivot to lift the load.

How does it feel? Is it harder or easier to lift the load?

What have you found out?

