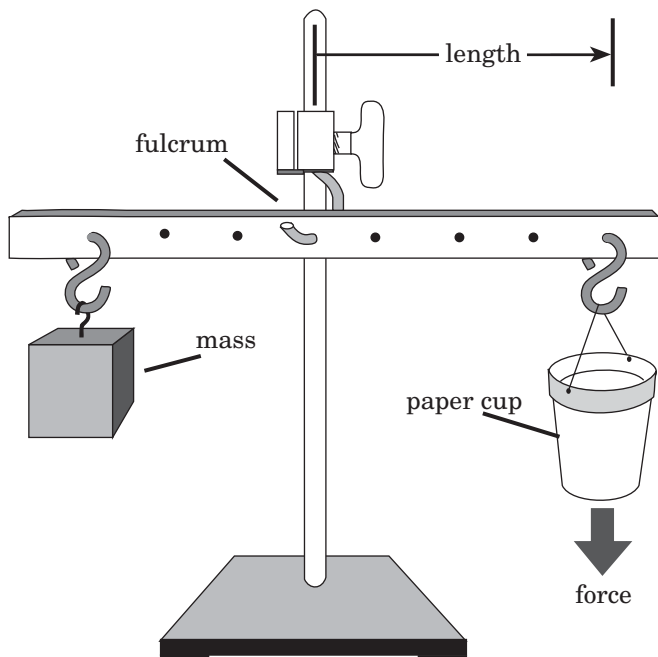


Grade 8 Science Sample Items

1. Objective: 4.06
Thinking Skill: Analyzing

The following data were obtained using the experiment shown below.



Force and Length Needed to Lift Mass

Force (N)	Length (cm)
20	5
10	10
5	20
4	25

Which of the following is the **most** appropriate hypothesis regarding the relationship between force and length?

- A There is no relationship between force and length.
- B The shorter the lever length, the lower the force required.
- * C The longer the lever length, the lower the force required.
- D The closer the fulcrum to the mass, the higher the force required.

2. Objective: 3.01
Thinking Skill: Analyzing

Fossils similar to marine life found in the oceans today have been found in rocks on top of mountains. How can this be explained?

- A The marine life can live on land or sea.
- B Marine organisms were once able to breath air.
- * C The rocks in which the fossils were found were formed under an ocean.
- D Marine organisms have evolved from land organisms.