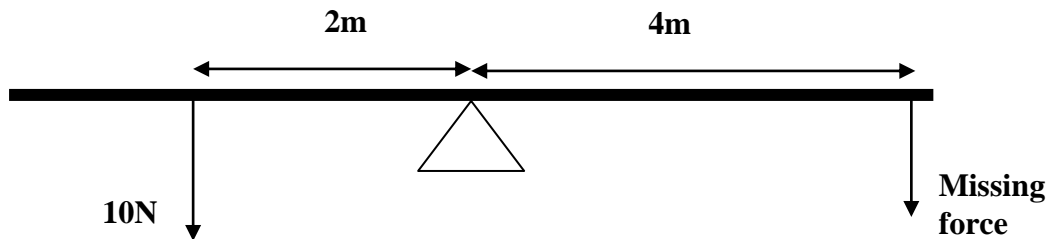


Name: _____

Parent/Guardian Signature: _____

Due date: _____

1. In the following diagram of a lever work out the size of the missing force that will balance the lever.



Missing force = _____ (1)

2. A lever is a type of machine, fill in the missing words below about machines.

Machines are _____ multipliers. They allow you to apply a small force over a _____ distance so that we get a large force over a _____ distance from the machine. (3)

3. Give two other examples of machines.

_____, _____ (2)

4. Complete the following about pressure

Pressure is force measured in Newtons divided by _____ measured in square metres.

Pressure is measured in _____ (2)

5. Explain why stiletto heeled shoes can damage a wooden floor more than flat heeled shoes. _____

_____ (2)