IGCSE MECHANICS II

HOMEWORK 2 – Turning effect

TIME 40min

NAME…………………………………………………………………….. Total /31

You should be able to:

**Core**

• Describe the moment of a force as a measure of its turning effect and give everyday examples

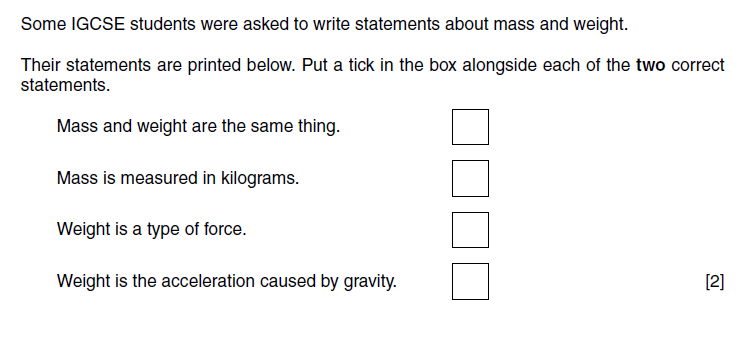
• Describe qualitatively the balancing of a beam about a pivot

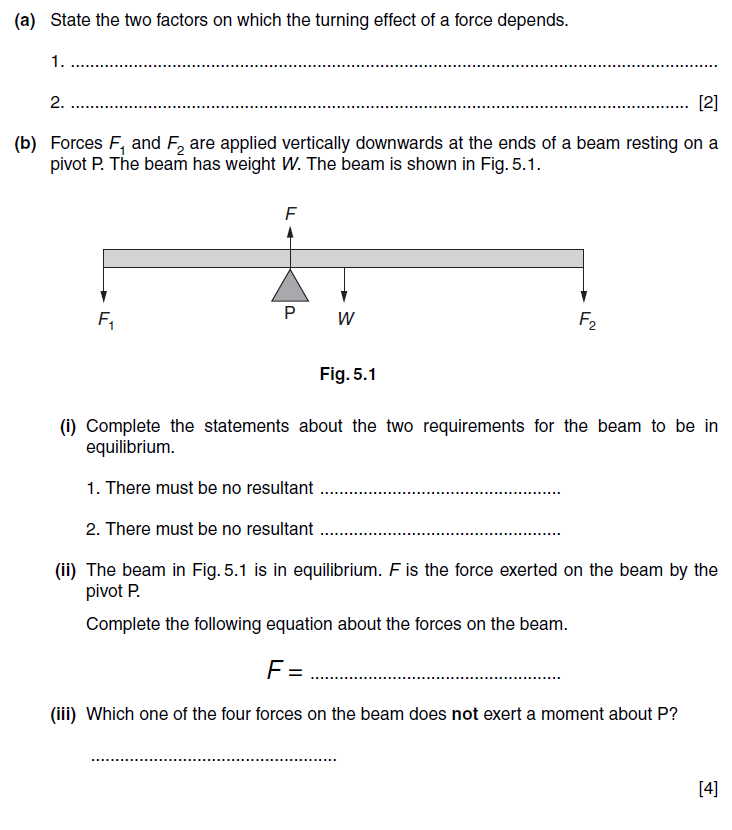
• State that, when there is no resultant force and no resultant turning effect, a system is in equilibrium

**Extended**

• Perform and describe an experiment (involving vertical forces) to show that there is no net moment on a body in equilibrium

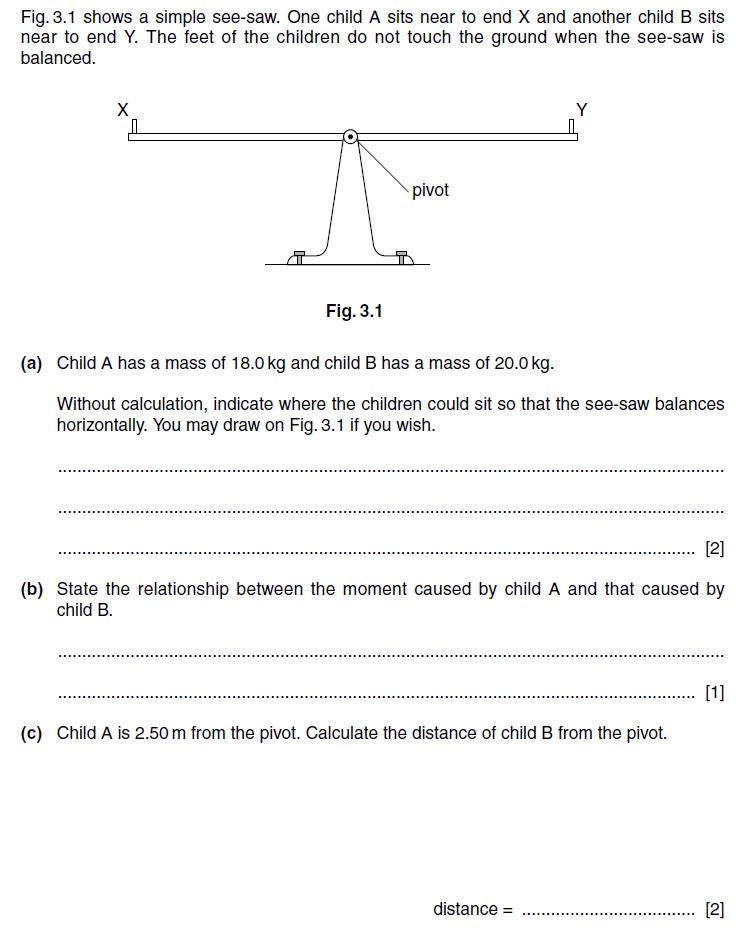
• Apply the idea of opposing moments to simple systems in equilibrium

1



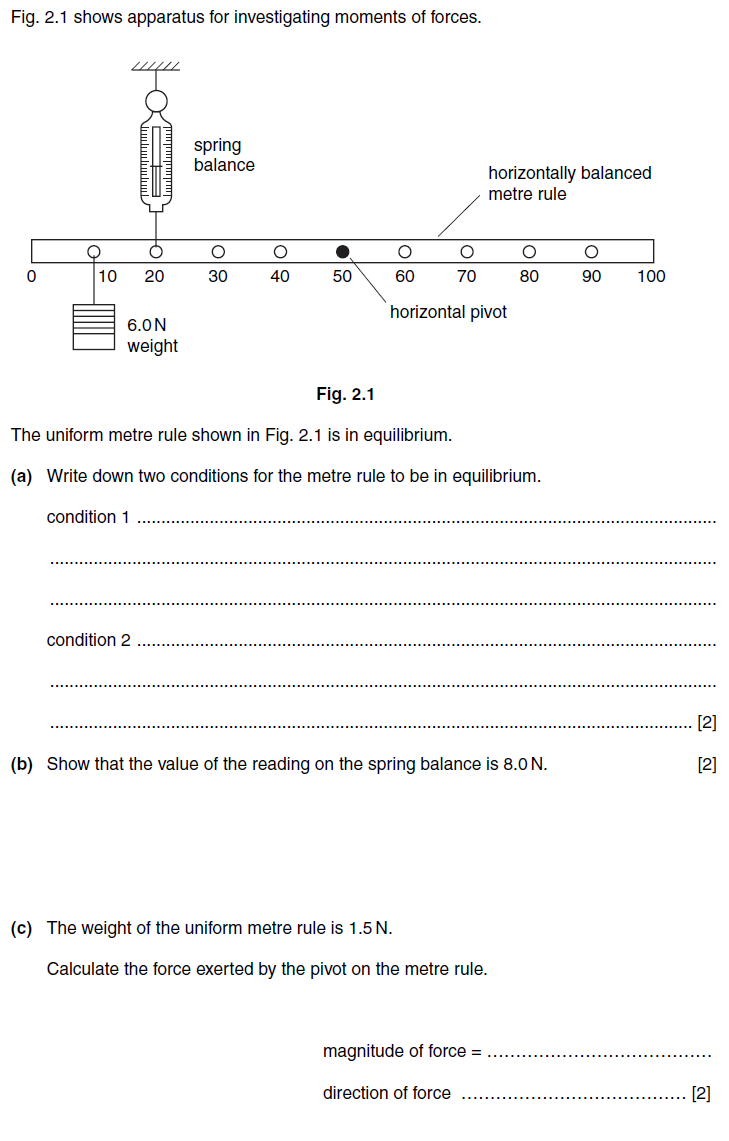
2

N06 2 5

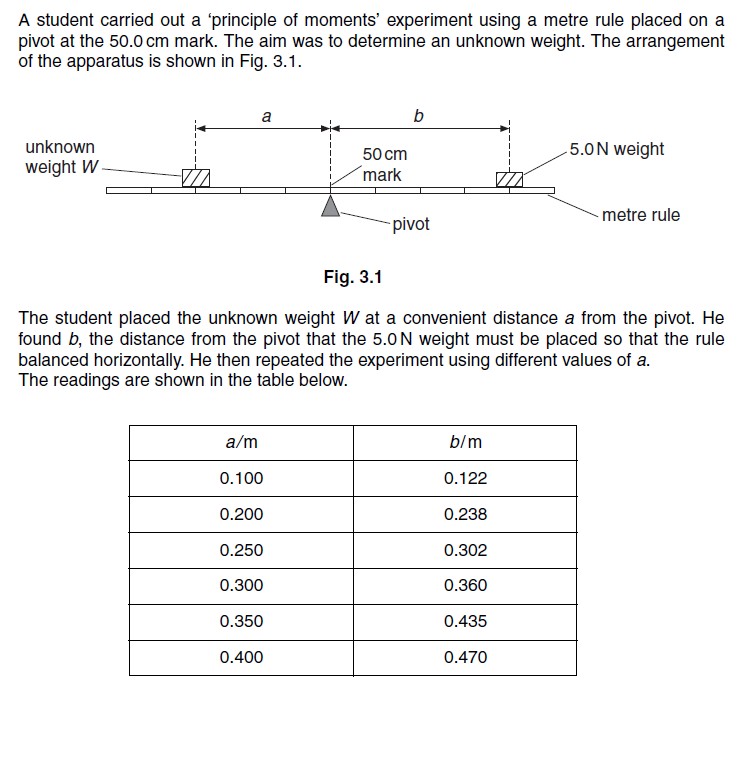
Extended questions

3

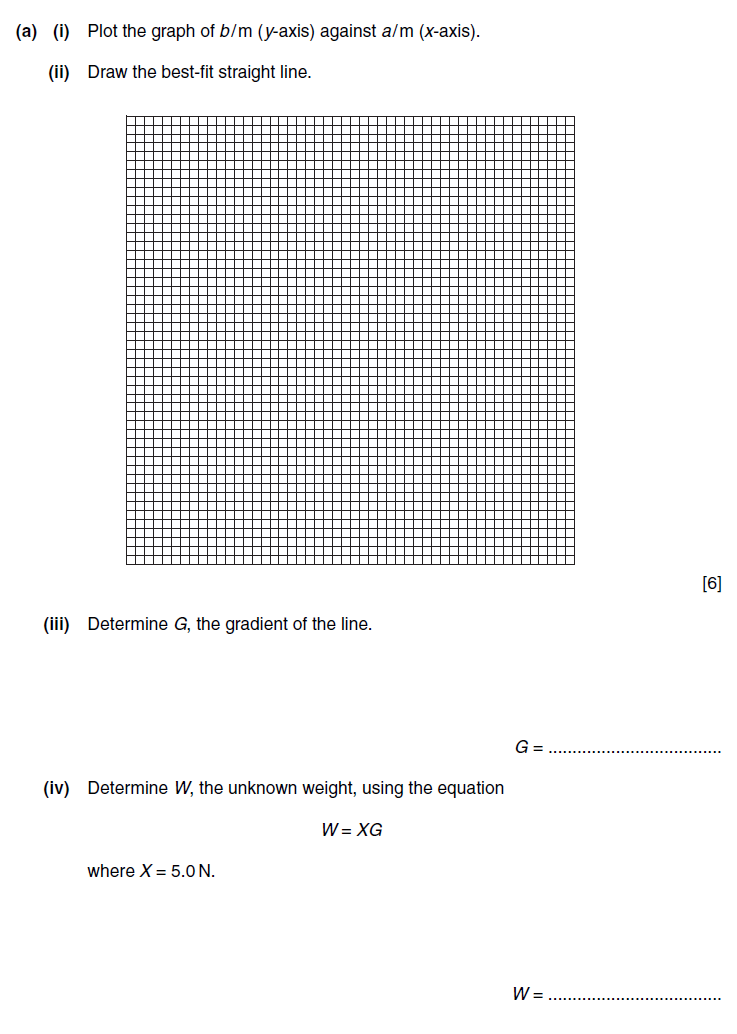
N03

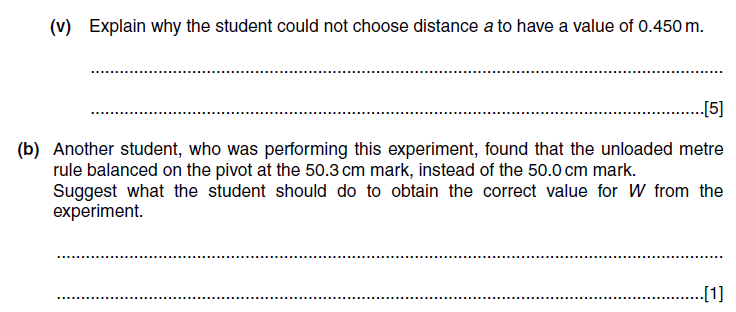
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N05

**Practical**

5





N02