

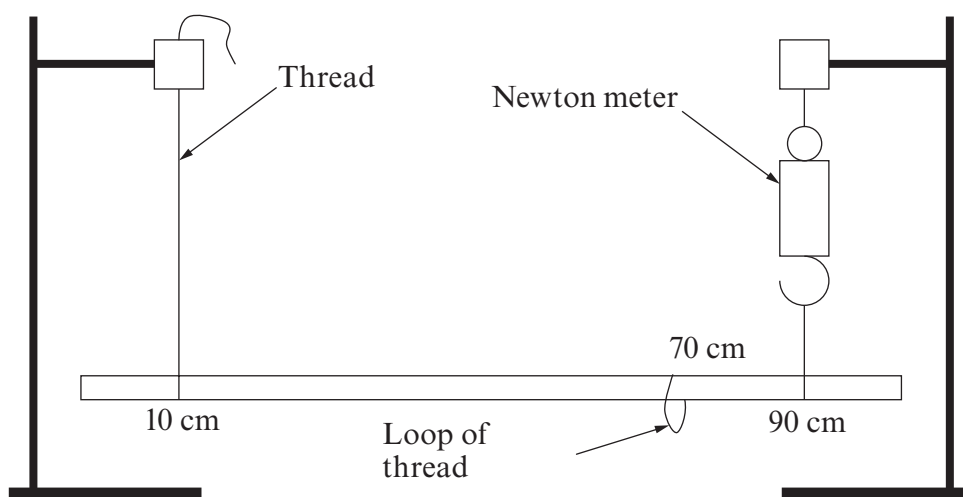
TASK A2

Candidates will be expected to investigate the apparatus set-up shown below:

Test 1:

- 2 × Clamps and stands
- 2 × 'G' clamps to stabilise stands
- 2 × metre rulers
- Newton meter 0 – 10 N (± 0.1 N or 0.2 N)
- Split cork
- 400 g mass (including holder) – the masses to be taped together
- Thread

The apparatus should be set up as shown below. The loop should be put on the ruler close to the 70 cm mark but with no 4.0 N weight attached.

**Test 2:**

The apparatus is as for Test 1 except a 300 g mass (including holder) should be used and the loop should be put on the ruler close to the 80 cm mark.