LIVERPOOL PHYSICS OLYMPICS



Moonlight Shadow

Aim	Calculate the height of a feature from its shadow length.
Materials	A print of a gibbous (11 day) Moon
Method	Any. The radius of the Moon is 1738 km.
Conditions	Do not write on, mark or damage the print.
Time Limit	25 minutes
Ranking	The ranking order will be determined by the difference between the height given and the actual height.
Team	Result
Do not write b	elow this line Rank