# Calibrating Two Colors in a Model Light Meter

Scoring guide · one credit per question · review written work against each rubric

### Calibrating Two Colors in a Model Light Meter

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### Question 1

Choice (2)

Both standards deliver 1.0 mW, yet blue gives 8 units and red gives 4.

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### Question 2

A blue signal of 8 units corresponds to 1.0 mW. A red signal of 8 units is twice the red standard’s signal and corresponds to 2.0 mW.

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### Question 3

The meter gives twice as much signal per mW for blue as it does for red. An equal signal can therefore come from less blue power.

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### Question 4

Use only the blue standard, put the red filter in the path, and compare the signal with a blocked-light baseline. A signal above baseline would indicate that the filter passes some blue light.