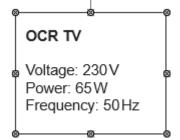


## GCSE Physics A (Gateway) J249/03 Physics A P1-P4 and P9 (Higher Tier)

**Question Set 10** 

A TV has the label below on it.



(a) Calculate the **current** in the TV when it is turned on.

Use the equation: power = potential difference × current

Give your answer to **2** significant figures.

$$GS = 230 T$$
  

$$T = \frac{13}{46} = 0.2826086957 \approx 0.28 (25f)$$

(b) The TV is turned on for 30 minutes.

Calculate the energy transferred by the TV.

$$P = \frac{E}{t} \rightarrow Pt = E$$

$$6S \times (30 \times 60) = E$$

$$11 \mp 0000 = E$$

$$12 \ 00000 \ (2sF)$$

## **Total Marks for Question Set 10: 8**



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