**National 5 Engineering Science**

** Homework – Series and Parallel Circuits**

1. Calculate the total resistance and current of the circuit shown

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1. Calculate the total resistance of the circuit shown and the current at the point indicated.

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1. Calculate the total resistance of the circuit and the current at the three places indicated.

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1. Calculate the total resistance of the circuit and the voltage of the battery. The current at the point indicated is 250mA or 0.25A