

A spreadsheet approach

Mrs Mac's battery life *triples* every time it recharges.

Using a spreadsheet, work out how many charges it takes to reach the maximum life of 6561 hours.

What are the two variables in this problem?

What is the *trebling number* of Mrs Mac's phone?

Choose a number to be the initial battery life of a phone.

Using a spreadsheet, find out the trebling number of this phone.

Another phone has a trebling number of **three**.

Using a spreadsheet, find all the initial battery lives this phone could have.
