Word Problems

Pocket Money

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| Do you get pocket money? Would you like to have some, or maybe more? Try this proposition on the person who gives you your pocket money:

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| I am really not asking for a lot. I'll only want 1 pence a week to start with, but then my pocket money will need to be doubled every week! |

**TASKS:** Answer these questions:1. On the back of this sheet, show how much money you would get in week 2, then week 3 and so on - create a table to show your results.
2. In which week did you need to start to use a calculator?
3. If week 1 was the first week of 2020 (starting saturday 2nd january), by when would you earn: a) £100 b) £500 c) £1000
4. If it carried on throughout your life, would you ever earn £1,000,000? At what age?
5. When would your parent/ guardian say "S T O P !"?
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| **The Bowhill Witch's Cauldron** |

The witch needs a 24-leg potion to turn her Maths teacher into a frog. She's got Spiders (8 legs) Lizards (4 legs) and Bats (2 legs)

Try to find all the possible spells to turn her Maths teacher into a frog! e.g. 2 spiders, 1 lizard and 2 bats would do the trick.

Be systematic and draw up and ordered list. Make a table of your results. Look for a pattern.

Extentions 1) The witch needs a weaker potion (16-leg) to turn a Head boy or Head girl into a frog.
2) The witch needs a strong potion (32-leg) to turn a Headmaster into a frog!