

Imagine your family agreed to give you some pocket money every day for a month! You can choose from the following options:

1. £10 every day
2. £3 on the first day, £3.50 on the second, £4 on the third, and so on, increasing by 50p per day
3. 1p on the first day, 2p on the second, 4p on the third, and so on, doubling each day.

**Without doing any working out, which one would you choose, and why?**

In a month with 31 days, how much money would you have by the end of the month, under each system? You may wish to explore using a spreadsheet...

**Here are some questions you might like to consider:**

In which months would option 1 be better than option 2?

If your family stopped your pocket money on day 8, which option would give you the most?

On which day of the month does option 3 become the most fruitful?

If you chose option 3, how many days would it be before you became a millionaire?