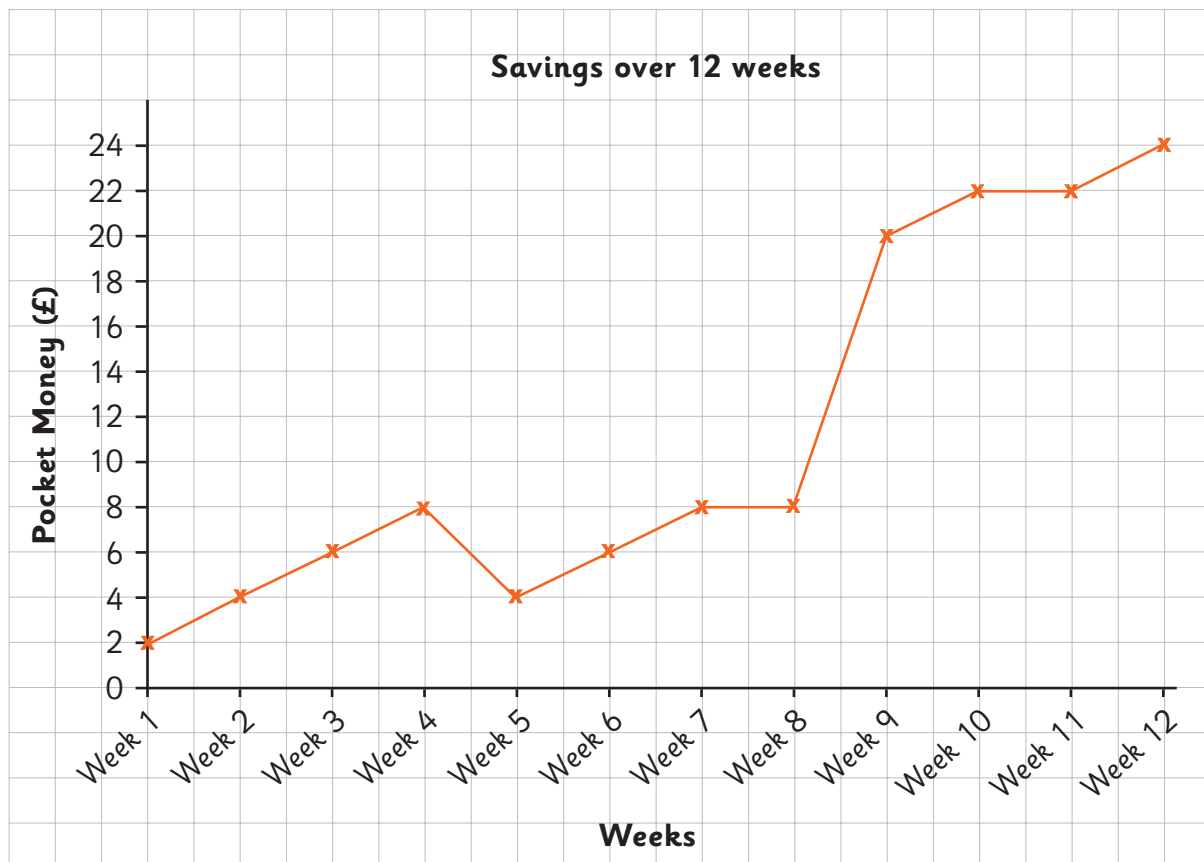# Savings Line Graph

Nathaniel wanted to save £24 in 12 weeks to buy a new game when it comes out.

He gets £2 pocket money every week. However, he sometimes spends some of his pocket money. Sometimes he is given some extra money as well, for example on his birthday.

To keep track of his savings, Nathaniel made a line graph showing how much he had at the start of each week.

Savings over 12 weeks

Use the line graph to fill in this table.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Pocket Money												

Savings Line Graph

Now answer the following questions:

1. How much money had Nathaniel saved by Week 3?

   ....

2. How much money had Nathaniel saved by Week 10?

   ....

3. When did Nathaniel have £20?

   ....

4. When did Nathaniel have £8?

   ....

5. How much money did Nathaniel spend between Week 4 and Week 5?

   ....

6. How much money did Nathaniel spend between Week 10 and Week 11?

   ....

7. It was Nathaniel's birthday between Week 8 and Week 9, and he got some money. He didn't spend any money that week. How much money did he get for his birthday?

   ....

8. If Nathaniel never spent any money, but didn't get any extra money for his birthday, would he have reached his target of £24 in 12 weeks?
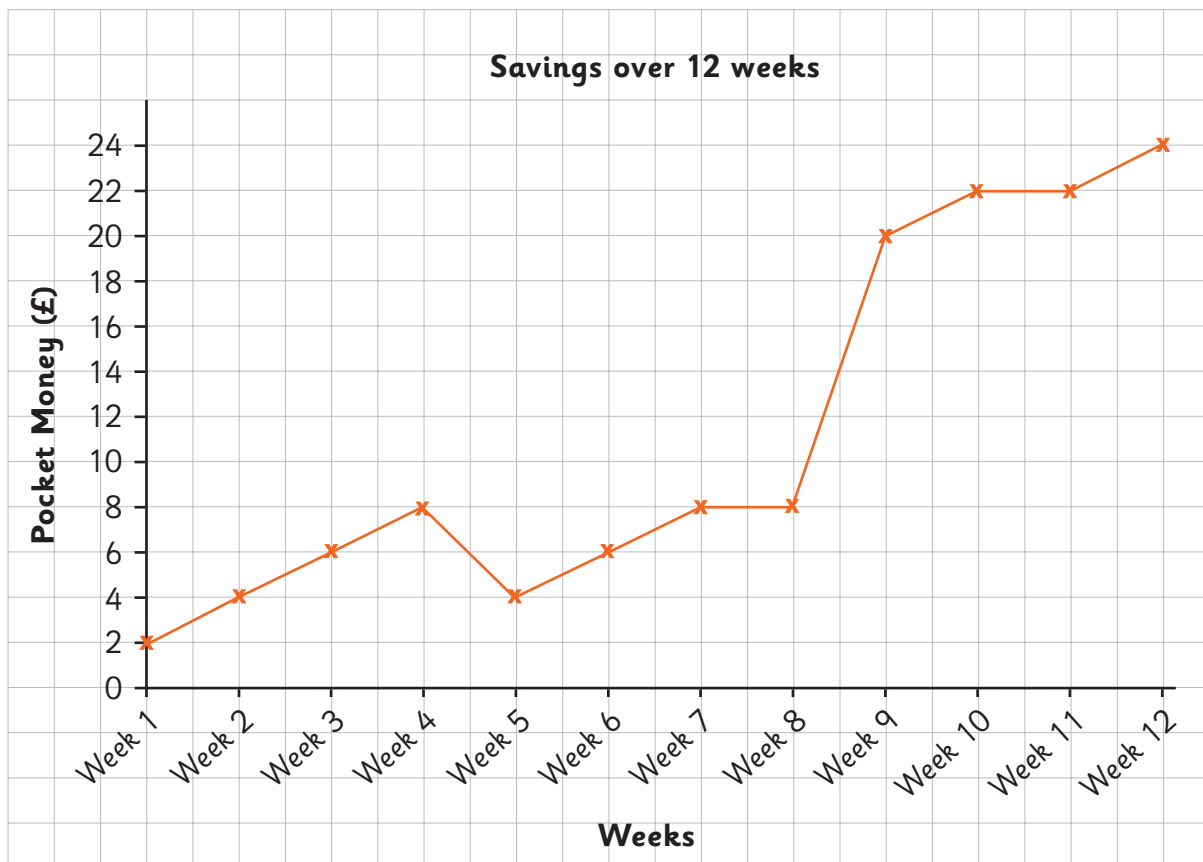
   ....

   ....

Nathaniel wanted to save £24 in 12 weeks to buy a new game when it comes out.

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To keep track of his savings, Nathaniel made a line graph showing how much he had at the start of each week.

Savings over 12 weeks

Use the line graph to fill in this table.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Pocket Money	£2	£4	£6	£8	£4	£6	£8	£8	£20	£22	£22	£24

Now answer the following questions:

1. How much money had Nathaniel saved by Week 3?

    £6

2. How much money had Nathaniel saved by Week 10?

    £22

3. When did Nathaniel have £20?

    Week 9

4. When did Nathaniel have £8?

    Week 4, 7 and 8

5. How much money did Nathaniel spend between Week 4 and Week 5?

    £6 (because he still got £2 pocket money)

6. How much money did Nathaniel spend between Week 10 and Week 11?

    £2 (because he still got £2 pocket money)

7. It was Nathaniel's birthday between Week 8 and Week 9, and he got some money. He didn't spend any money that week. How much money did he get for his birthday?

    £10 (because he still got £2 pocket money)

8. If Nathaniel never spent any money, but didn't get any extra money for his birthday, would he have reached his target of £24 in 12 weeks?

    Yes, he would have saved exactly £24,

    because 12 x £2 = £24