

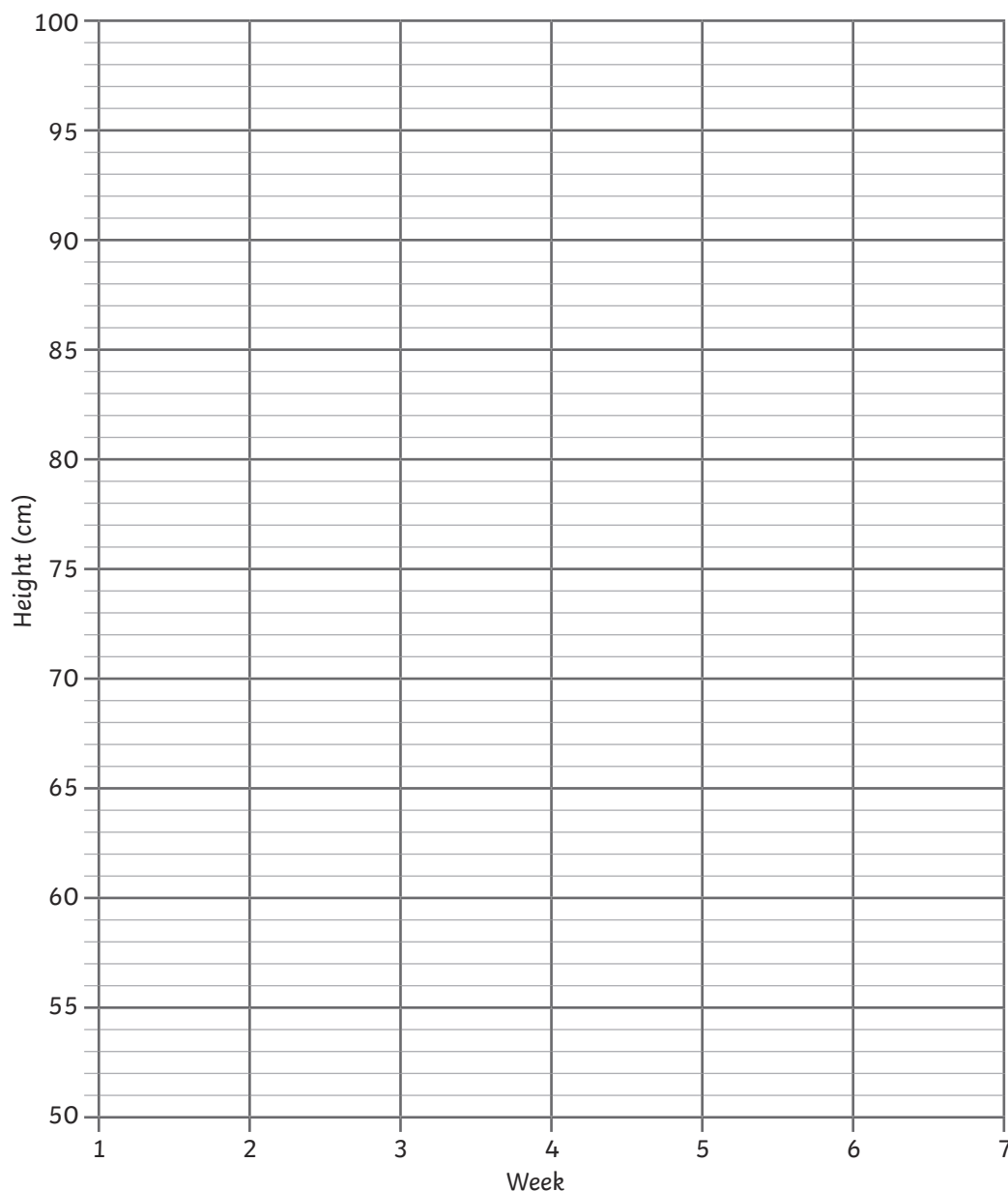
Class 5 measures the height of a sunflower over seven weeks. Here is the table of data that shows their results:



| Week | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------|----|----|----|----|----|----|----|
| Height (cm) | 52 | 59 | 66 | 72 | 78 | 88 | 93 |

1) Draw a line graph to represent the data.

A line graph to show _____



2) Class 6 also measures their sunflower's height. Here is the table that shows their results:

| Week | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------|----|----|----|----|----|----|----|
| Height (cm) | 55 | 60 | 64 | 70 | 74 | 80 | 85 |

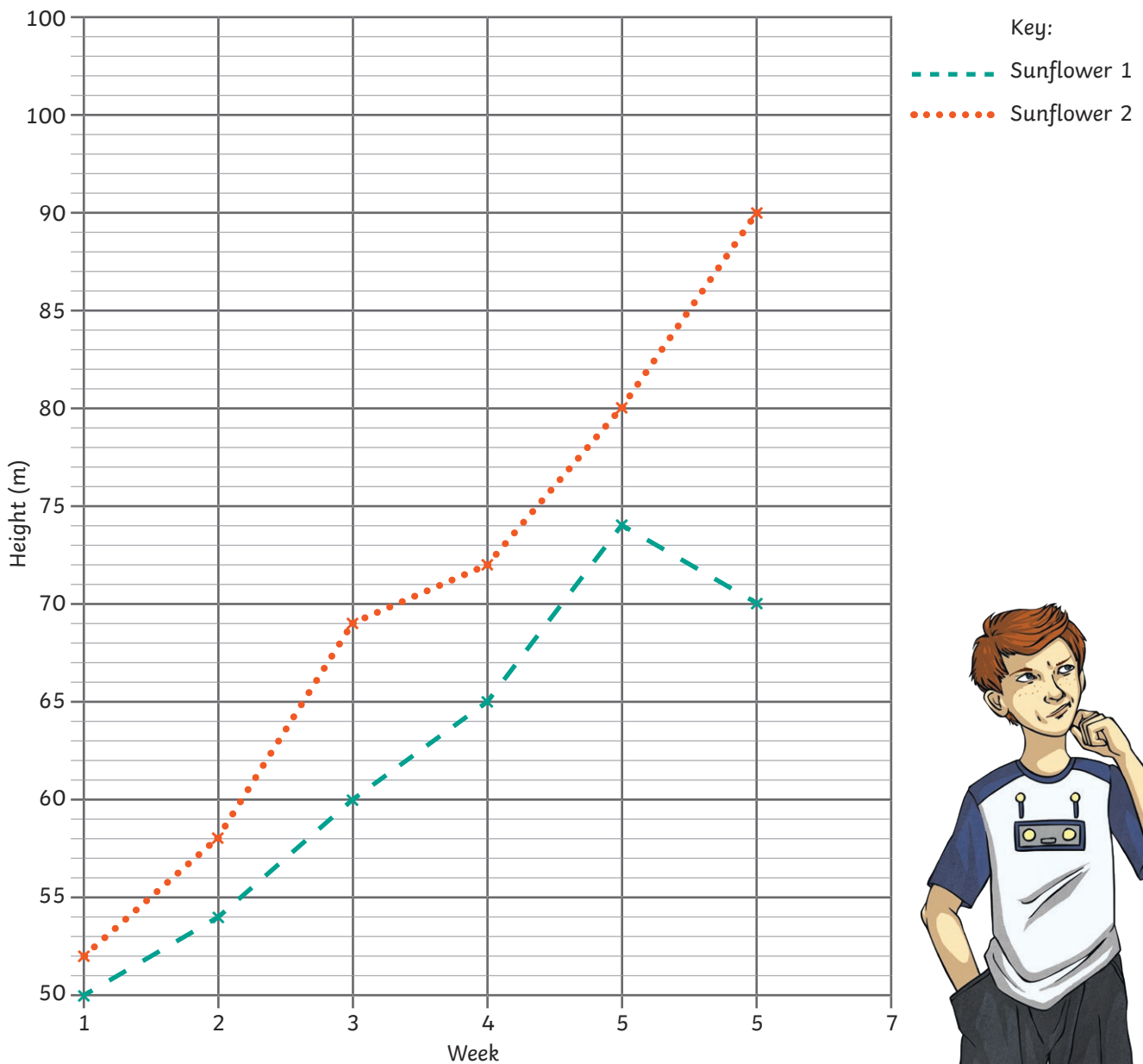
Represent this second set of data on your line graph. What do you need to include when showing two sets of data on one line graph?

Here is a table of data that shows the heights of two sunflowers over six weeks.

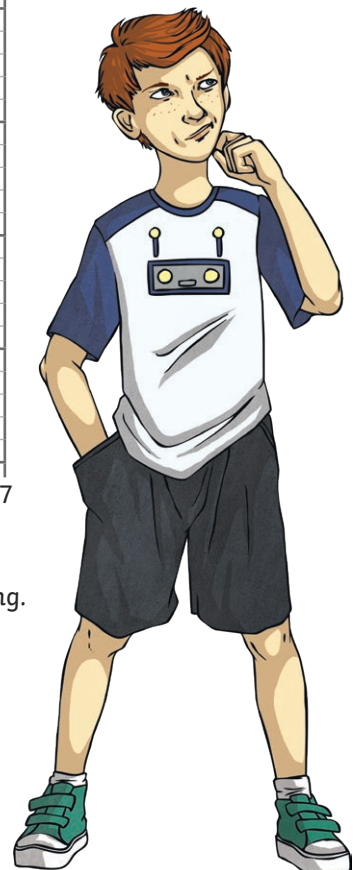


| Week | 1 | 2 | 3 | 4 | 5 | 6 |
|---------------------------|----|----|----|----|----|----|
| Sunflower 1 - Height (cm) | 52 | 57 | 69 | 73 | 81 | 90 |
| Sunflower 2 - Height (cm) | 50 | 54 | 60 | 65 | 75 | 80 |

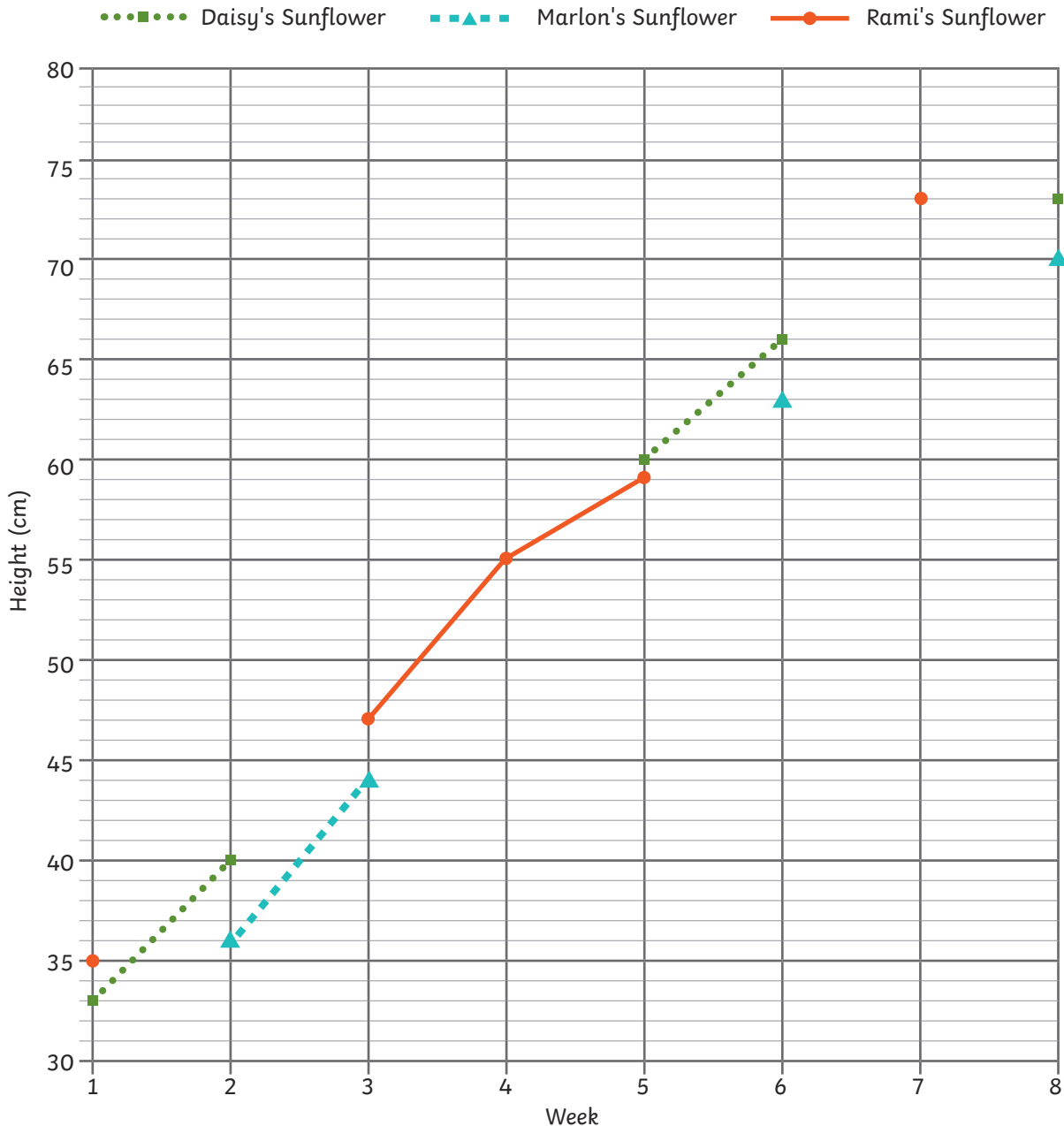
Rami draws a graph of the data. However, he has made 10 mistakes.



- 1) Circle all 10 mistakes. Then, in your book, explain how you know each mistake is wrong.
- 2) Explain what advice you would give Rami for drawing line graphs.



Use the clues to finish drawing the graph.



- 1) In week 1, Marlon's sunflower was 2cm shorter than Daisy's sunflower.
- 2) In week 2, there was a 6cm height difference between Marlon's and Rami's sunflowers. Rami's sunflower was taller than Marlon's.
- 3) In week 3, Daisy's sunflower was taller than Marlon's but shorter than Rami's. Its height was an odd number of cm.
- 4) By week 4, Daisy's sunflower had grown 18cm since week 1. However, it was still 1cm shorter than Marlon's sunflower.
- 5) In week 5, Rami's sunflower was 1cm taller than Marlon's.
- 6) In week 6, Daisy's sunflower was 1cm taller than Rami's.
- 7) By week 7, Rami's sunflower was the tallest, towering 5cm over Marlon's sunflower and 2cm over Daisy's.
- 8) By the end of the investigation, Rami's sunflower had grown the tallest. It had grown 40cm from its starting height.