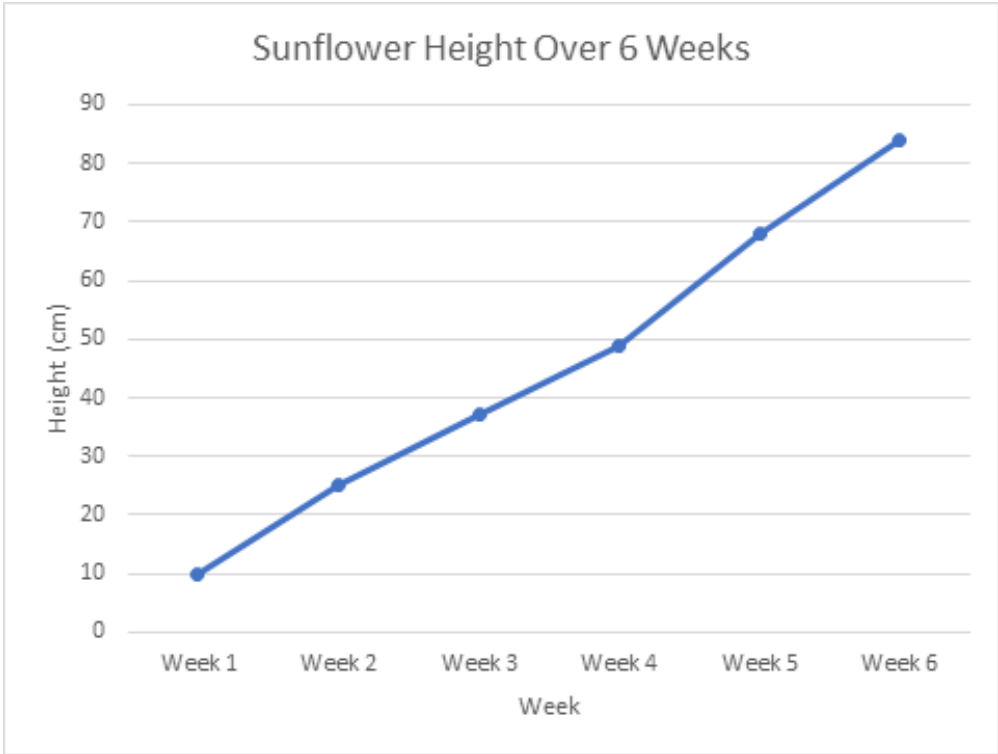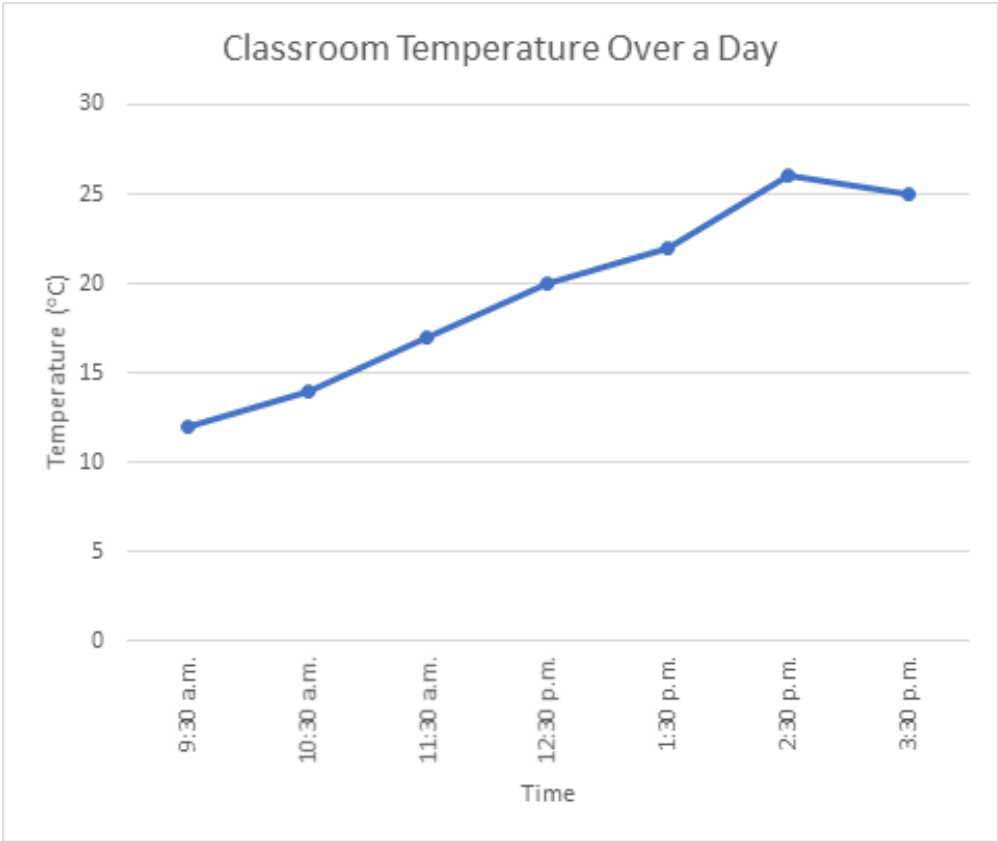## Line Graphs

Line Graph a

Line Graph b

Arithmetic

1. 515 - 20

2. $\frac{1}{4} + \frac{2}{4}$

3. 6 x 8

4. 49 ÷ 100

Practice: Introducing Line Graphs

5. Recap: Explain when estimating is used in line graphs.

6. Look at line graph a.

a. How high was the sunflower in week 2?
b. When was it 49cm?

7. Look at line graph a.
a. Estimate how tall you think the sunflower was halfway between weeks 4 and 5. b. Estimate when the sunflower was around 30cm tall.

8. Look at line graph a.
a. How much taller was the sunflower in week 2 than week 1? b. How much did it grow between weeks 3 and 5?

9. Look at line graph b.
a. When was the warmest temperature? b. When was the coldest temperature? c. What was the temperature at 11:30am?

10. Explain what a line graph shows.

11. Look at line graph b. a. What was the difference in the temperature from the start of the day to 3:30pm? b. Between which hours did the temperature rise by 4 degrees?

12. Look at line graph b.

a. Estimate the temperature at 1pm. b. Estimate when the temperature was around 15 degrees.

13. In line graph b, the temperature at 9:30 a.m. is approximately 10°C. Is this correct? Explain.

Challenge

14. True or false.

In line graph a, the sunflower grew the most between week 2 and week 3.

Create your own true or false question about one of the line graphs.

You might want to talk to an adult

Spot the mistake

Answers

Q no.	Question	Answer
1	515 - 20	495
2	$\frac{1}{4} + \frac{2}{4}$	$\frac{3}{4}$
3	6 x 8	48
4	49 ÷ 100	0.49
5	Explain when estimating is used in line graphs.	Estimating is used in line graphs when exact data is not given. For example, in table b, Tommy's height is not recorded at age 6 years 6 months. The line graph would allow you to estimate his height at this age.
6	Questions about line graph a.	a. 25cm, b. week 4
7	Questions about line graph a.	a. Approx. 60cm, b. between weeks 2 and 3
8	Questions about line graph a.	a. 15cm, b. 31cm
9	Questions about line graph b.	a. 2:30p.m., b. 9:30a.m., c. 17 degrees
10	Explain what a line graph shows.	A line graph shows continuous data over time.
11	Questions about line graph b.	a. 13 degrees, b. 1:30 and 2:30p.m.
12	Questions about line graph b.	a. Approx. 21 degrees, b. around 10:45a.m.
13	In line graph b, the temperature at 9:30 a.m. is approximately 10°C. Is this correct? Explain.	This is incorrect. The temperature at 9:30 a.m. is above 10°C. The approximate temperature is 12°C.
14	True or false. In line graph a, the sunflower grew the most between week 2 and week 3. Create your own true or false question about one of the line graphs.	False, the sunflower grew 12cm between weeks 2 and 3 but it grew more between week 4 and 5 (19cm).