

Plants

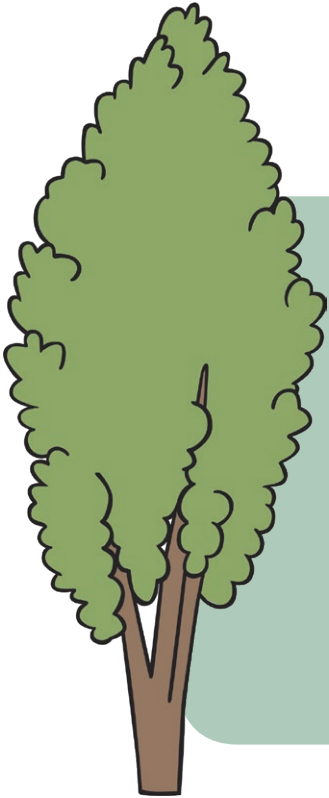
Clue for Digit 1

Look at this table which shows how tall plants grew at different temperatures.

Temperature (°C)	Height of Plant (cm)
5	3
10	4
15	7
20	9
25	16

The first digit on the keypad is the first digit of the temperature at which the plants grew best.

Germination is when a tiny plant emerges from a seed.
Are these statements about germination true or false?



Seeds need water to germinate.
Seeds need cold temperatures to germinate.
When a seed germinates, a root and shoot will appear.
Some seeds need light to germinate.

The number of statements that are true is the next digit on the keypad.

Class 2 were doing an experiment to find out the effect that light has on how well cress grows.

Some cress seeds were put in a dark place and some were put in a light place. All seeds were given the same amount of water each day. The seeds were all left for one week.

In an experiment, things you can change are called variables. How many variables did Class 2 change in this experiment? That number is the next digit on the keypad.



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Clue for Digit 4

All living things, including plants, do certain things. Read the clue and write the answer with one letter in each box. The letters in the orange boxes spell the next number.

Plants need to get rid of this to stay healthy.

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This is when plants make new plants.

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Some plants do this by turning towards the sun.

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Plants _____ changes around them.

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Another word for food that plants need.

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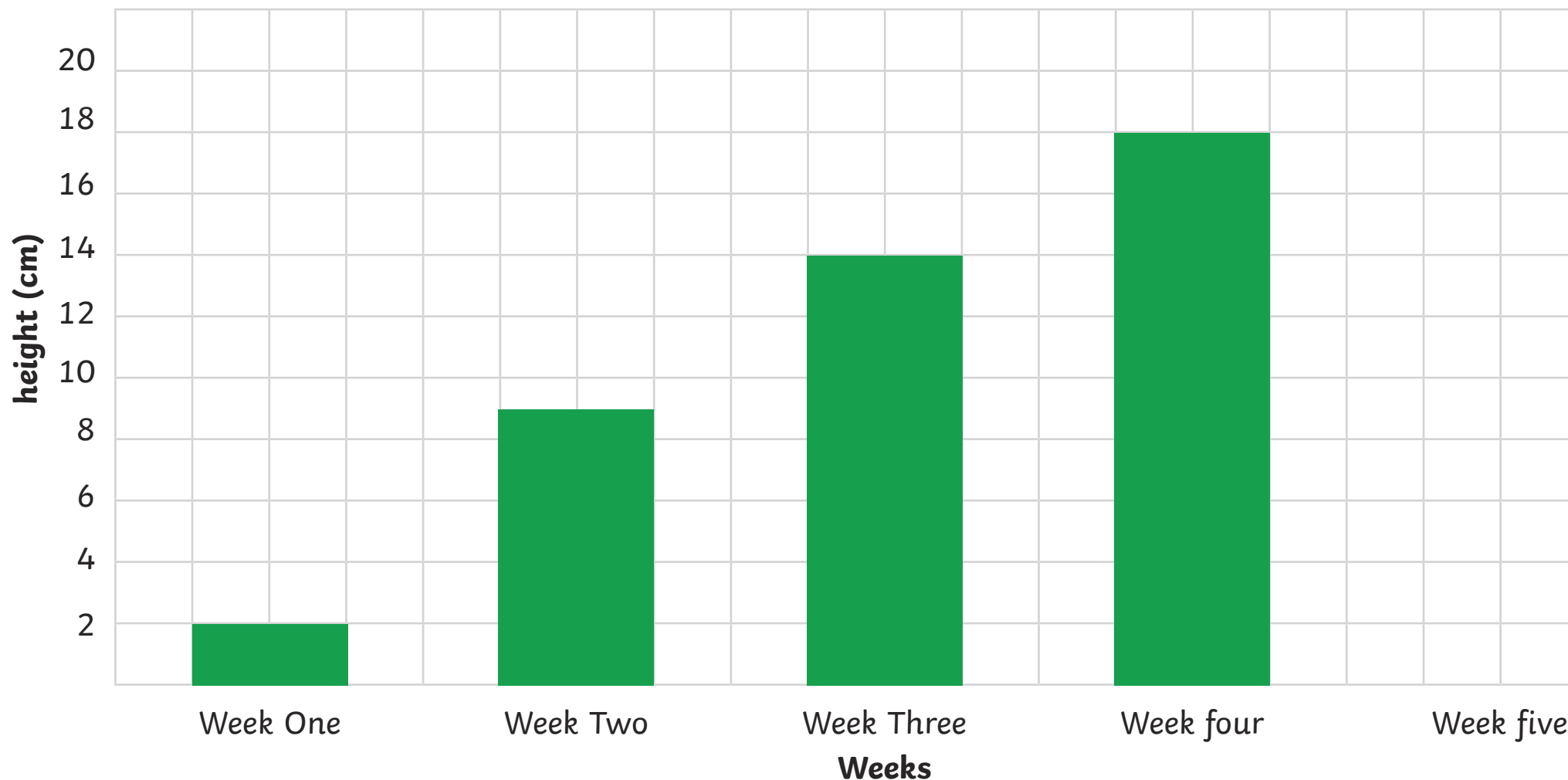


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Clue for Digit 5

Class 2 grew a sunflower. Each week, they measured how tall it had grown (in centimetres) and put this information into a bar chart.

How tall was the sunflower on week two? This is the fifth digit on the keypad.



Which of these are stages of the life cycle of a flowering plant?

weeding	germination	seed dispersal
leaves appear	respiration	shoot and roots grow
processes	flowering	sensing

The number of things you need is the last number on the keypad.

