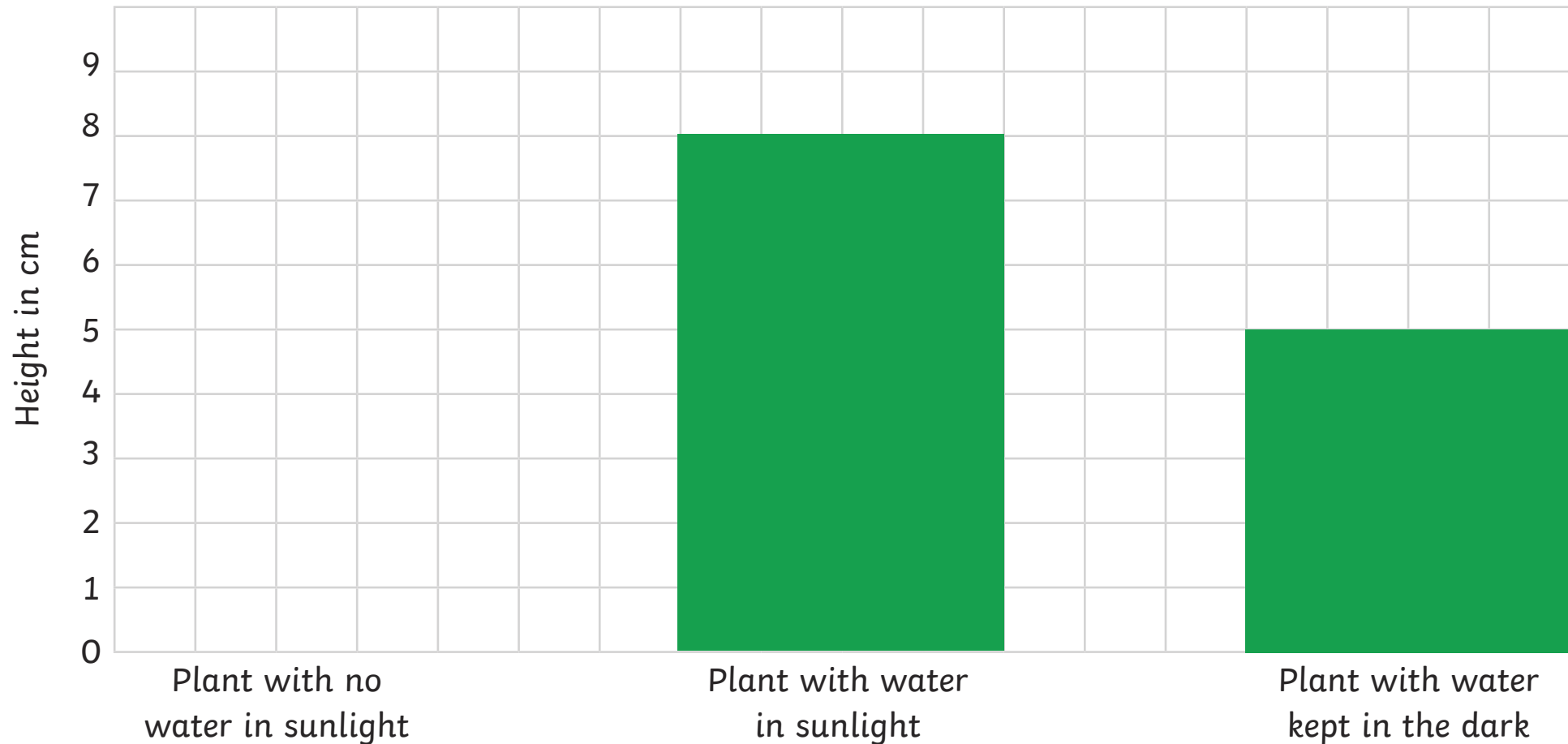


Plants

Clue for Digit 1

Class 3 carried out an experiment to find out the different conditions needed for plant growth.



What is the difference in height between the plant with water in sunlight and the plant with water in the dark? This is the first digit on the keypad.

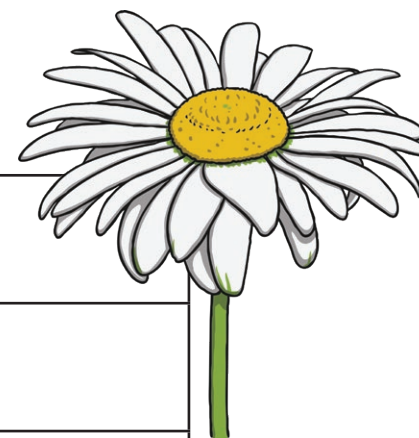
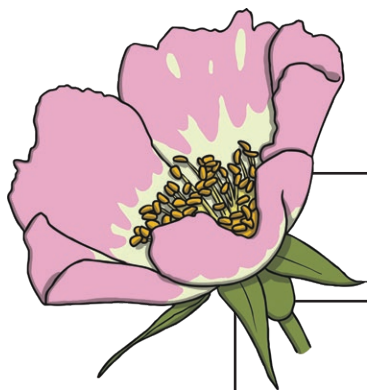
Water transportation is the way water moves through a plant.
Are these statements about water transportation true or false?



- Roots absorb water from the soil.
- The stem transports water to the roots.
- Water evaporates from the stem.
- This evaporation causes less water to be sucked up the stem.



The number of false statements is the next digit on the keypad.



style	antler	petal
stigma	handle	ovary
leash	stamens	oeuf
aerial	filament	staple

How many words are names of parts of a flower? This is the next digit on the keypad.

Read the clue and write the answer with one letter in each box. The letters in the orange boxes spell the next number.

Green petal-like parts at the base of the flower.

--	--	--	--	--

The stalk that holds up the anther.

--	--	--	--	--	--	--	--

Pollen sticks to this part of the flower.

--	--	--	--	--	--	--

These hold sacs containing pollen.

--	--	--	--	--	--

The part of the flower that attracts insects.

--	--	--	--	--	--



This life cycle of a flowering plant is in the wrong order. Put it in the right order.

1. Seed dispersal
2. Growing and flowering
3. Fertilisation and seed formation
4. Pollination
5. Germination









Decide which statement is the first stage of life. This is the fifth number on the keypad.



Plants

Clue for Digit 6

Seeds can be spread in different ways. We call this seed dispersal. Some of the ways include: by wind, by water, seeds as food and being carried by animals. Decide how each seed is dispersed.

			
Sycamore	Poppy	Lotus	Burdock
			
Sandbur	Milkweed	Dandelion	Cherries

The number of seeds dispersed by wind is the sixth digit for the generator keypad.

Plants

Clue for Digit 7

Plants are important for our world. When we breathe out, we breathe out a gas called carbon dioxide. Plants take in carbon dioxide and give out oxygen. We need oxygen to stay alive.

All gases have a special symbol made up of letters and sometimes numbers. Carbon dioxide is a mixture of gases called carbon and oxygen. The symbol of carbon is C and the symbol of oxygen is O. Look at these symbols. Can you work out the symbol for carbon dioxide?



The number in this symbol is the seventh digit for the keypad.



Plants

Clue for Digit 8

Class 3 have grown plants as part of their science lesson. Use a ruler to measure the sunflowers.



To find the final digit for the keypad, add the height of the first and second plants. Then subtract the height of third and fourth plants from the total.