

Escape the Garden Centre



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Escape the Garden Centre

Solve the clues and puzzles to discover the passcode needed to get the generator working and escape the garden centre. The clues could be anywhere so you need to keep your eyes peeled and your mind sharp!



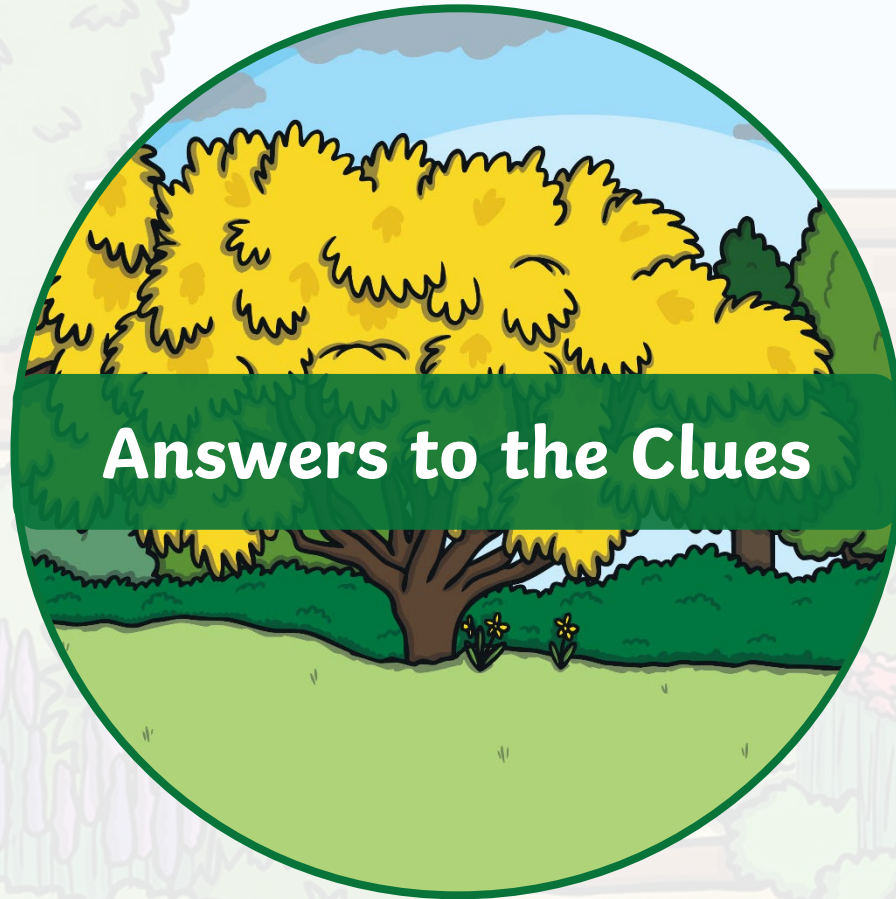
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The Rules

- You can work in small groups.
- When you find a clue, work together to solve the puzzle.
- Write your answer down on your answer sheet.
- Once you have discovered the number for the keypad, check it with your teacher to discover if you can get the generator running and escape the garden centre!



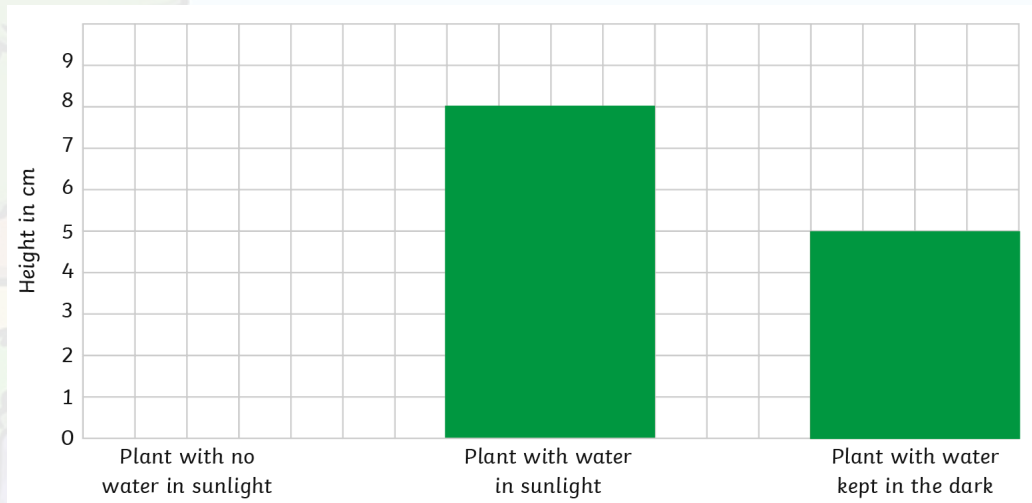
Escape the Garden Centre



Answers to the Clues

Escape the Garden Centre – Clue 1

What is the difference in height between the plant given water and kept in a sunny place and the plant given water and kept in a dark place? This is the first digit needed to get the generator working.



The plant with water and sunlight grew to 8cm. The plant given water and kept in the dark grew to 5cm. The difference is 3cm. The **first** digit on the keypad is 3.



3

Escape the Garden Centre – Clue 2

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

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

There are three false statements.
The **second** digit on the keypad is 3.



3

Escape the Garden Centre – Clue 3

How many of these are parts of a flower?



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



The number of parts of a flower is the next digit on the keypad.

Style, petal, stigma, ovary, stamen and filament are all parts of a flower. The **third** digit on the keypad is 6.



6

Escape the Garden Centre – Clue 4

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

The orange letters spell out 'eight'.
The **fourth** digit on the keypad is 8.



8

Escape the Garden Centre – Clue 5

Here is the correct order of the lifecycle of a flowering plant:

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

The number next to the first stage in the life cycle is the fifth digit for the generator keypad.



Number 5 was the first stage of the life cycle.
The **fifth** digit on the keypad is 5.



5

Escape the Garden Centre – Clue 6

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

Poppy seeds are dispersed by shaking. Lotus seeds are dispersed by water. Burdock and sandbur seeds are dispersed by being carried by animals. Cherry seeds are dispersed as food. There are **four** here that are dispersed by wind: sycamore, milkweed, poppy and dandelion.

The **sixth** digit on the keypad is 4.



4

Escape the Garden Centre – Clue 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 then 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 generator keypad.

The symbol for carbon dioxide is CO_2
The **seventh** digit on the keypad is 2.



2

Escape the Garden Centre – Clue 8

Class 3 have grown plants as part of their science lesson.
Today, they are measuring them to see how tall they have grown.



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

$12 + 14 = 26$ $26 - 8 = 18$ $18 - 9 = 9$
The **eighth** digit on the keypad is 9.



9

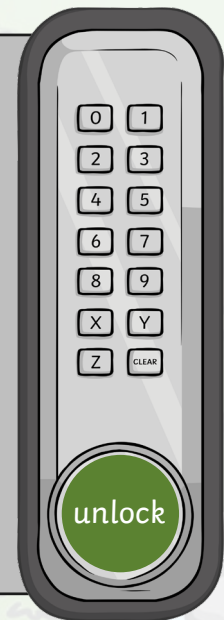
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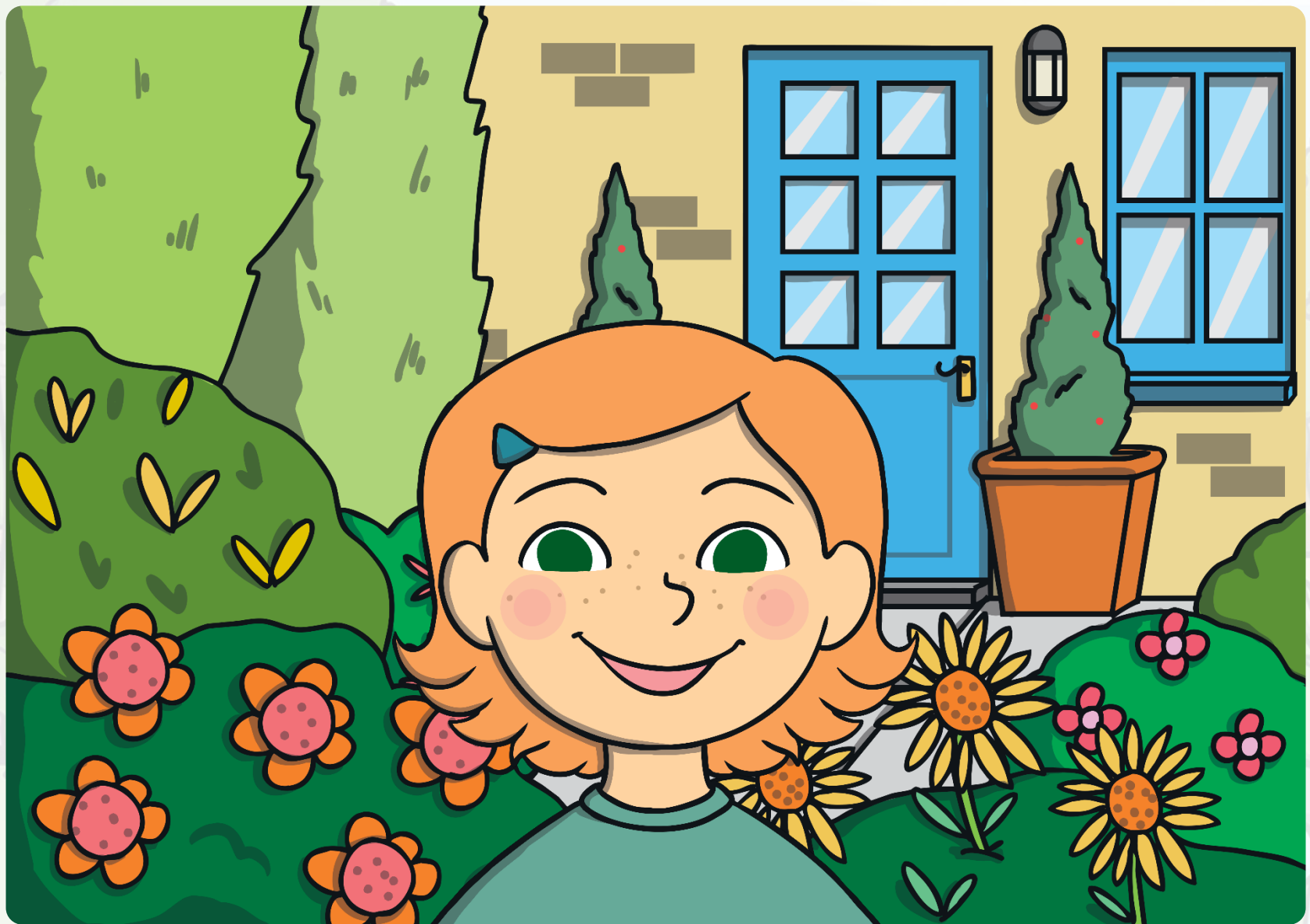
Now you've solved all the clues, it's time to enter the code into the generator keypad and escape the garden centre!



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Digit 1	Digit 2	Digit 3	Digit 4	Digit 5	Digit 6	Digit 7	Digit 8
3	3	6	8	5	4	2	9







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