

Vocabulary

flowchart - a visual diagram that shows the steps in a process.

linear search - a search that goes through a list of possibilities in order.

random search - a search that randomly selects from a list of options in a random order.

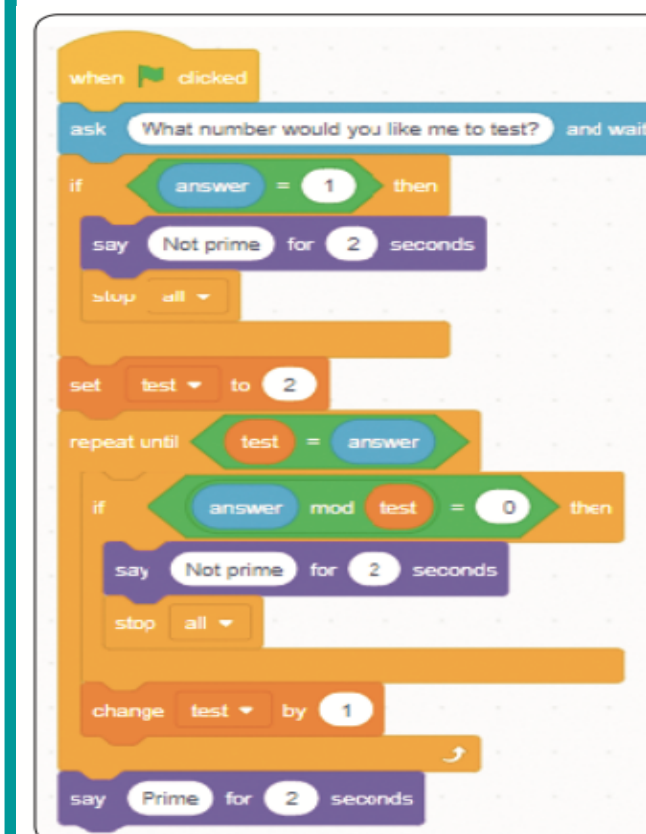
binary search - a search that repeatedly halves the list until only the correct answer remains.

Key takeaways

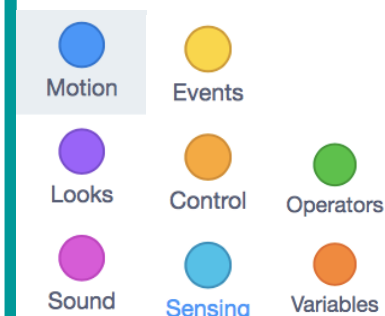
- I can reason logically about algorithms.
- I can explain that some algorithms are more efficient and suitable than others for certain situations.
- I can make links between computational thinking in computing and in mathematics.
- I can write and debug programs that accomplish goals I set out to do.
- I can understand common algorithms for sorting and searching.

Knowledge check

Scratch blocks can be used to create a wide range of programs and outcomes. You can look at the blocks and predict what the outcome might be.



The different coloured blocks have different functions.



E-safety

- Using online software allows for collaborative works. However, it has to be used appropriately and safely. When sharing online, you must consider the impact it has on other people and on your online reputation.



Key takeaways

Random search: Linear search: Binary search:

