

Term 2

Lesson 13

# Algorithms

## Algorithms

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have an order

have clear instructions

stop in a finite amount of time

## Algorithms

# Why analyze algorithms?

predict performance

Does this work?

Will it work if ...?

make decisions

Which algorithm is best in this circumstance?

## Algorithms

# Searching:

**Find** an element in an array.

## Algorithms

# Sorting:

**Order** the elements in an array.

## Algorithms

# So what makes a good algorithm?

Speed?

Easier to Code?

Memory Use?

How do we **measure** these?