

## My mathematical journey

What do I need to remember from before?

Number lines: single and double (NP1 – NP8)

Approximating numbers (NP1 – NP7)

Inequalities (NP1)

Fractions (NP7)

Directed numbers (NP6)

## \*Mathswatch clips in brackets

What will I learn about in this unit at CEC?

Using my calculator accurately and efficiently (MW N7b, N21b, N44)

Approximating numbers (MW N1c, N25, N27a, N27b, N38, N46)

Estimating answers to calculations

(MW N43a, N43b)

Error intervals for rounding (MW G29)

Truncation

Where does this lead?

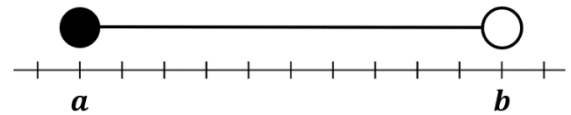
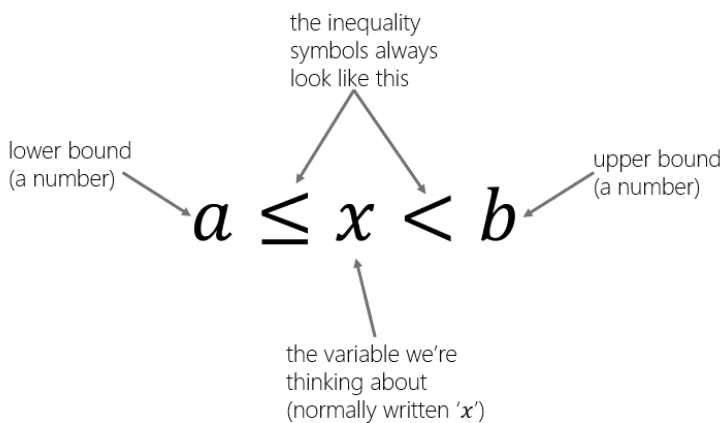
Solving complex problems using the calculator (all future units)

Checking answers by estimating (all future units)

Problems with bounds (NP14)

## Key words and symbols: what I need to say and write accurately

- An **error interval** uses inequalities to show the range of values a number could be. We can show it with inequalities *and* on a number line.



- A **surd** is a root that does not have an integer or fraction answer, such as  $\sqrt{2}$  or  $\sqrt[3]{10}$ .

Symbol	$\approx$	$<$	$\leq$	$>$	$\geq$
How to read it	is approximately equal to	is less than	is less than or equal to	is greater than	is greater than or equal to

## Fingertip facts: what I need to learn by heart

<u>Time frame conversions</u>	<u>Days in the months</u>
1 minute = 60 seconds	January: 31 days
1 hour = 60 minutes	February: 28 days (and 29 days in a leap year)
1 day = 24 hours	March: 31 days
1 week = 7 days	April: 30 days
1 year = 52 weeks	May: 31 days
1 year = 365 days	June: 30 days
1 leap year = 366 days	July: 31 days
	August: 31 days
	September: 30 days
	October: 31 days
	November: 30 days
	December: 31 days