A close-up photograph of a computer keyboard. The central focus is a single key with a white quadratic formula symbol ( $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ ) printed on it. The key is dark, and the symbol is white. The surrounding keys are blurred, creating a shallow depth of field. The background is a soft, out-of-focus light color.

# Algebra - quadratics

Solving quadratics

Blue Zone



Going slow

Green Zone



Good to go

Yellow Zone



Caution

Starting to lose control

Red Zone



Stop!

Out of control

E.g. sad, sick, tired,  
bored

E.g. happy, calm,  
focused, ok

E.g. worried, excited,  
annoyed

E.g. angry, terrified,  
elated

# Recap!

- Factorise:

- $x^2 - 6x + 8$

- $x^2 + 10x + 25$

- $x^2 + 7x - 30$

<https://app.mymaths.co.uk/1784-lesson/quadratic-equations-1>

Before you go.....

Try  $x^2 + 2x - 3 = 0$

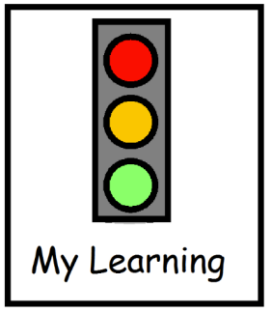
$$(x + 3)(x - 1) = 0$$

Either

$$x + 3 = 0 \dots \text{So } x = -3$$

OR

$$x - 1 = 0 \dots \text{So } x = +1$$



Traffic light your work today.

Thumbs down- I don't understand it

Thumbs across- I understand some of it

Thumbs up- I understand all of it

A further task will be on the website for you to complete later today – one merit for all who do

