# Quadratics C

### Vocabulary:

Identity, Expand (the brackets), Term, Power, Index.

### Prerequisites:

To represent multiplication using a rectangle

### Check:

### Prerequisites:

To expand brackets and simplify the resulting expressions

### Check:

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 

Further practice or extension from quadratics B.

### Aims:







To link multiplication of numbers to multiplication of algebra

### Activities:

**Use a rectangle**, represent these multiplications.

### Aims:

To use this idea to rewrite expressions without brackets using a grid method

To know that this is called expanding the brackets

### Activities:

Examples

One with grid drawn first – create the identity.

Expand the brackets in

Gaining Fluency: Sections A and B

And/or

Matching task

When confident (minimum 5 questions), move on to section C

Expanding understanding:

<https://teacher.desmos.com/activitybuilder/custom/579b8095c34ad0c811a9e651>

### Aims:







To know about “the difference of two squares”.

### Activities:

Expand the brackets

What’s the pattern?

Write these with brackets:

### Aims:







To expand more than 2 brackets.

### Activities:

Reminder: how do you multiply 3 numbers:

Examples













Practice:

Section D

Extension Problems:

Technical: Section E

Conceptual: Section F