# Equations C

### Prior Knowledge:

To solve equations involving variables on both sides, and negatives

**Check:**

Write down key strategies which can help to solve equations.

You are solving the equation

Would it be a better first step to

* subtract 11
* subtract 10B

from both sides?

You are solving the equation

Would it be a better first step to

* subtract 4
* divide by 4

from both sides?

You are solving the equation.

Would it be a better first step to

* subtract 8C
* add 6C

to both sides?

You are solving the equation

Would it be a better first step to

* add 3
* add 12

to both sides?

Solve the equation

Extension: Expression polygons from Equations B.

### Prior Knowledge:

To expand brackets in expressions

**Check:**

Expand the following

### Aims:

To solve equations involving brackets

### Activities:

Example, solved in two ways

Equations C practice: Section A

Example, solved in two ways

Groupwork

Equations C Cross number

Make sure everyone in each group can solve each equation.

If I find that this isn’t the case, I will freeze your group for 2 minutes.

Equations C practice: Section B

**Assessment:**

Solve the following equations