# Combining Operations

### Prior Knowledge:

To know that some operations are commutative and use that to simplify calculations

### Check:

23 + 84 + 77

5 × 137 × 2

### Prior Knowledge:

Adding a negative is the same as subtraction

### Check:

Re-teach for those with unsecure prior knowledge.

For those with solid understanding, problems to solve:

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### Aim:

To use the idea that subtraction is adding a negative and the commutative property, to show how calculations can be simplified

### Activities:

Show how the following calculations can be rearranged to make them easier. The answers are given to emphasise that the point of this exercise is not about getting the answer, but about understanding how addition and subtraction are related.

Example:

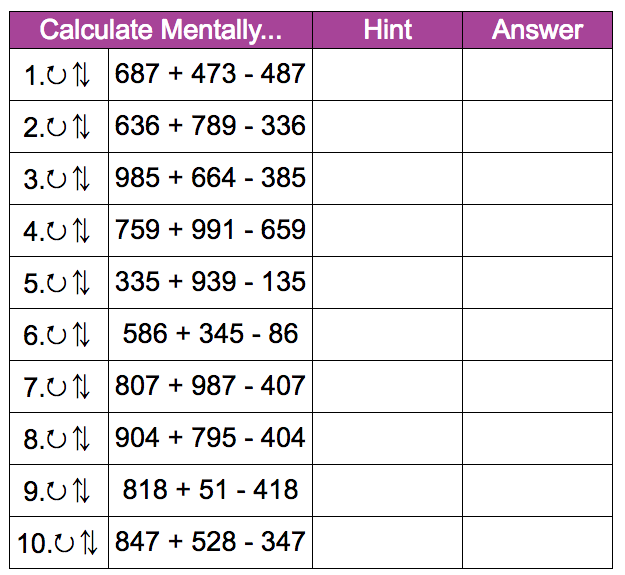
Questions:

### Aim:

To know that you can move numbers around an expression, as long as their positive / negative symbol stays with them.

### Activities:

Mathematicians are lazy: Do these without showing your use of adding negatives and the commutative property



Make up your own questions which can be done using this trick.

**Assessment:**

