# Equations involving Powers and Roots

### Prior knowledge:

To find powers and roots and to know that they are inverse operations

### Activities:

Calculate:

### Prior knowledge:

To solve equations with fractions, including when the variable is in the denominator

### Activities:

Solve the following:

1. 
2. 
3. 
4. 
5. 

### Aims:

To solve equations involving powers and roots

### Activities:

Examples

Solve these equations in two ways:

(final two steps in two ways: divide first, root first)

(divide by 4 first, square first)

Worksheet – Section A

### Aims:

To solve equations involving powers, roots and fractions

### Activities:

Examples

s

Worksheet – Section B

Section C as an extension / afterwards for the whole class.