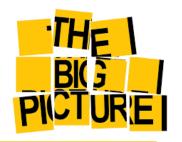


- How to simplify and calculate with surds.
- Use a scientific calculator to calculate with powers and roots.

Stage 11 Calculating



Solve problems involving simplifying surds.

٠

- Expand brackets containing surds.
- Rationalise the denominator in a surd expression.



- Power, root
- Index, Indices
- Standard form
- Surd-1550s, "irrational" (of numbers),
 from Latin surdus "deaf, unheard"
- Simplify
- Rationalise
- Denominator-1540s, in mathematics, "that term of a fraction which indicates the value of the fractional unit" (commonly the number written below the numerator or dividend), from Medieval Latin denominator

Calculating - Targets	Before Topic	After Topic	Teacher Mark
Simplify Surds			
Solve problems involving simplifying surds			
Expand double brackets involving surds			
Rationalise the denominator of a simple surd expression.			
Rationalise the denominator of a more complex surd expression			