



M6 Surds and exact calculations

Personal learning checklist | 1 of 1

GCSE Edexcel Mathematics | All three papers | Higher only

Name _____ Class _____ Date _____

Tick one box for each statement. Red: need help. Amber: partly confident.
Green: can do independently.

All statements are Higher tier.

I can	Red	Amber	Green
Core methods			
Simplify surds by removing square factors and distinguish exact roots from approximations (Higher).	☐	☐	☐
Add, subtract and multiply surds, combining only like terms (Higher).	☐	☐	☐
Applying and explaining			
Rationalise denominators using a surd or conjugate without changing the value (Higher).	☐	☐	☐
Expand surd brackets and use conjugates to retain exact answers (Higher).	☐	☐	☐
Solve length and area problems using exact surds before any final rounding (Higher).	☐	☐	☐

My next revision priority _____