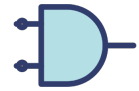


CS11 Boolean logic



Personal learning checklist | 1 of 1

OCR GCSE Computer Science J277 | Paper 2 · Specification 2.4

Name _____ Class _____ Date _____

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

Support your confidence with explanations, workings, diagrams and tested code. Quick checks do not assess a complete program or evaluation.

I can	Red	Amber	Green
Gates and truth values			
Explain Boolean values and recognise NOT, AND and OR symbols and behaviour.	☐	☐	☐
Construct complete truth tables for individual gates and input combinations.	☐	☐	☐
Use intermediate columns to evaluate compound logic accurately.	☐	☐	☐
Expressions and circuits			
Explain grouping and the scope of negation with counterexamples.	☐	☐	☐
Translate between compound expressions and connected gate diagrams.	☐	☐	☐
Construct and verify a complete truth table for a three-input expression.	☐	☐	☐
Translate contextual conditions and validation rules into Boolean logic.	☐	☐	☐
Use complete tables to test equivalence of expressions.	☐	☐	☐

My next revision priority _____