E8.3

UNIT E8 · WORKSHEET

Decisions and continuous loops

UNIT PROGRESS

Core BUILD THE BASICS

C1 **State** the symbol for 'Pin 3 on?'. **[1]**

C2 **State** the two routes out of a decision. **[1]**

C3 **State** when a loop line needs an arrow. **[1]**

C4 **State** the name of a loop with no Stop. **[1]**

C5 **State** the punctuation every decision needs. **[1]**

C6 **State** the two labels on the routes out of a decision. **[1]**

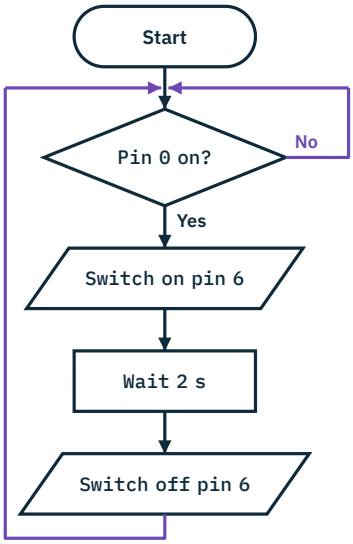
C7 **State** the symbol shape for a decision. **[1]**

C8 **State** what two decisions in a row (both No loop back) behave like. **[1]**

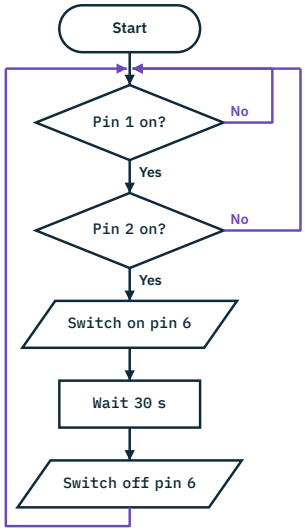
Decisions and continuous loops

Stretch GO FURTHER

S1 **Describe** what this flowchart does. **[2]**



S2 **Describe** what this flowchart does. **[3]**



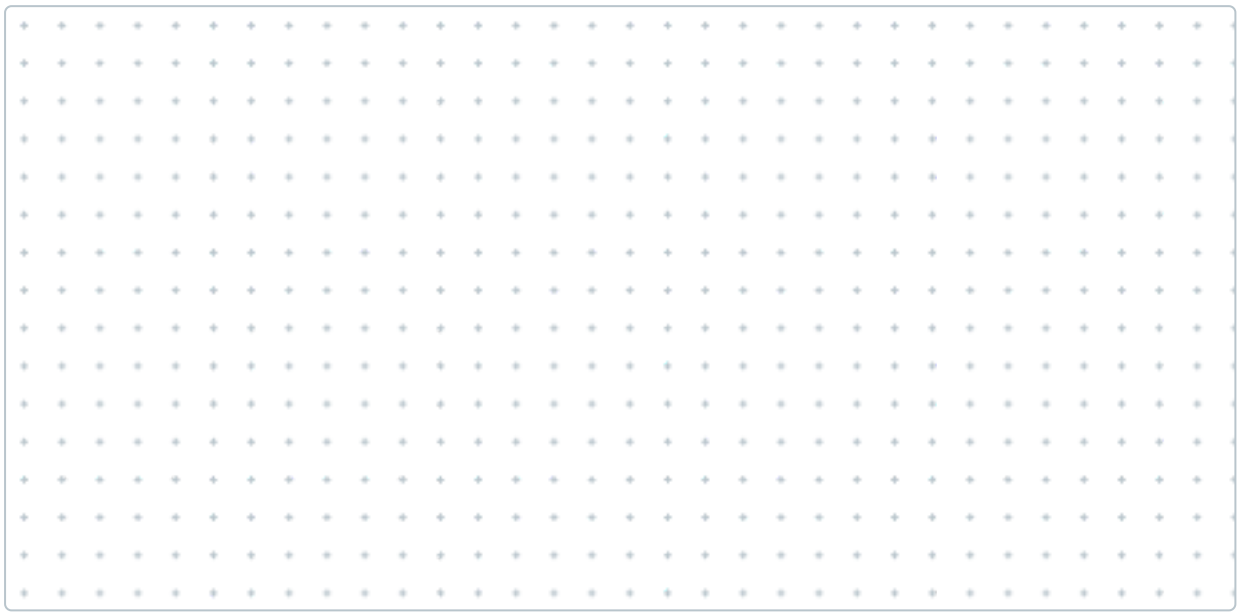
Decisions and continuous loops

S3 A motor (pin 7) runs until a stop switch (pin 3) is pressed, then stops and the program checks again. **Complete** the flowchart. **[5]**

Exam Ready QUALIFICATIONS SCOTLAND STYLE

E1 A hand dryer: when the sensor on pin 0 is on, the fan on pin 3 runs for 15 s. This repeats forever. **Complete** the flowchart. **[5]**

E2 A greenhouse fan (pin 6) runs for 30 s when it is hot (pin 1) and the window is shut (pin 2). This repeats for ever. **Complete** the flowchart. **[6]**



Total: 29 marks. Use the Data Booklet. Show your working and give units.