

LO Plan your own maths quiz using the middle **condition switches between actions** script.

You can't use the same maths as the examples.

When green flag starts

Say Welcome to the Maths Quiz

Ask _____

If answer = _____

Say _____

Else

Say _____

Ask _____

If answer = _____

Say _____

Else

Say _____

Ask _____

If answer = _____

Say _____

Else

Say _____

Ask _____

If answer = _____

Say _____

Else

Say _____

The image shows three examples of Scratch code blocks with corresponding yellow sticky notes explaining the logic:

- Example 1:** A blue 'ask 3x3=? and wait' block is connected to an orange 'if answer = 9 then' block. Inside the 'then' block is a purple 'say Correct for 2 secs' block. The sticky note says: 'ask 3x3=? if answer = 9 say correct'.
- Example 2:** A blue 'ask 4x4=? and wait' block is connected to an orange 'if answer = 16 then' block. Inside the 'then' block is a purple 'say Correct for 2 secs' block. Below the 'then' block is an orange 'else' block containing a purple 'say Wrong for 2 secs' block. The sticky note says: 'ask 4x4=? if answer = 16 say correct else say wrong'.
- Example 3:** An orange 'repeat until answer = 25' block contains a blue 'ask 5x5=? and wait' block and a purple 'say Correct for 2 secs' block. The sticky note says: 'repeat until answer = 25 ask 5x4=? say correct'.

What will your stage look like?

What will your sprites look like?