

# Embedded systems and how they are built

## Components of embedded systems



Mariam and Sultan are learning about embedded systems. Help them to complete the activity below by filling in the gaps.

|      |          |      |       |                 |          |
|------|----------|------|-------|-----------------|----------|
| RTOS | software | time | three | microcontroller | debugger |
|------|----------|------|-------|-----------------|----------|

Embedded systems are made up of \_\_\_\_\_ important components. They are hardware, \_\_\_\_\_ and a real time operating system. There are a range of components found in the hardware of an embedded systems. Some examples include power supply, \_\_\_\_\_ and input/output. There are also a range of components found in the software of an embedded systems. Some examples include assembler, emulator and \_\_\_\_\_. A real time operating system, also known as \_\_\_\_\_ is used when a computer needs to react within a certain \_\_\_\_\_ to an input.

