

Max's Magnificent Maths Machine: How to Build a Calculator

Learning objective: To write clear, sequential instructions using imperative verbs and time connectives.

Follow this writing frame to help Max explain how to build his new invention. Remember to use bossy verbs (imperative verbs) like 'place', 'attach', and 'slide' to tell the reader exactly what to do.

Building a gadget is a brilliant way to solve a problem, and with these steps, you can create your very own number-crunching machine.

Word bank: First · Next · After that · Then · Finally · Carefully · Gently · Make sure · Before you start

1. What is the title of your set of instructions, and what will you need to build your invention? List your equipment using bullet points. (2 marks)

2. How do you begin the process? Use a time connective and an imperative verb to write your first step. (2 marks)

3. What are the middle steps for building your machine? Remember to explain what the user needs to do next. (2 marks)

4. How do you finish your invention? Write a final step to show the machine is ready to use. (2 marks)

5. Can you think of a safety tip or a 'top tip' to help the reader? Start your sentence with 'Remember to...' (2 marks)

Extension challenge: Challenge: Add an extra instruction that includes a warning, such as 'Be careful when you use the glue' or 'Make sure the wires are tucked away safely'.