3

Crack the code

Learn how to code like Ada Lovelace and find the answer to the questions below.

How does it work?

This activity is inspired by the work of Ada Lovelace, who is considered one of the world's first programmers. She worked with inventor Charles Babbage for much of her adult life. Babbage designed a mechanical machine that could solve complex maths problems. Later, Lovelace was asked to 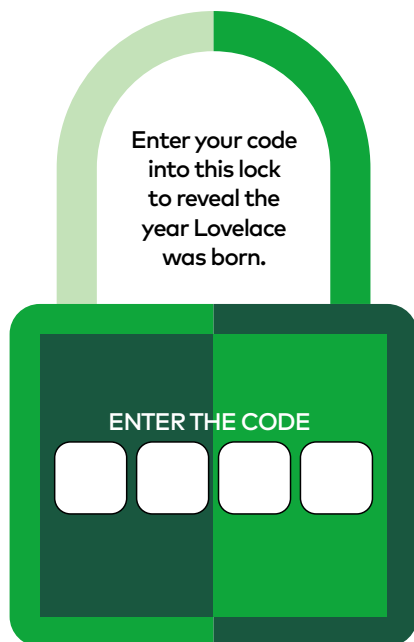translate an article by an Italian scientist about Babbage's mechanical machine. She added so many of her own notes and explanations that the eventual publication was three times longer than the original. In her notes, she explained how codes could be created so the machine could process letters and symbols, as well as numbers. Lovelace was way ahead of her time and still inspires computer scientists today.

Ada Lovelace

Lock-breaker

In what year was Ada Lovelace born?
Decipher the statements below to find the answer.

Enter your code into this lock to reveal the year Lovelace was born.

ENTER THE CODE

CHECK YOUR ANSWERS ON PAGE 50

9 2 8 5
Two numbers are correct. One is correctly placed. One is in the wrong place.

3 4 1 1
Two numbers are correct. One is correctly placed. One is in the wrong place.

2 4 6 9
No numbers are correct.

1 8 4 3
Two numbers are correct. Both are in the correct place.

3 2 1 7
One number is correct and in the correct place.

Secret symbols

What was the name of the computer designed by Charles Babbage? Crack the symbols to reveal the answer.

A	B	C	D	E	F	G

H	I	J	K	L	M	N

O	P	Q	R	S	T	U

V	W	X	Y	Z

WRITE YOUR ANSWER IN THE BOXES PROVIDED