



# Extra Training

## Word Formation Task 592

Complete the sentences with a word derived from the words in bold (verbs). Mind the forms!  
(IN BLOCK CAPITALS!)

Early work in the field of computer science during the 1940s—1950s focused on automating the process of making calculations for use in science and engineering. Scientists and engineers developed theoretical models of computation that **(1)** \_\_\_\_\_ them to **(2)** \_\_\_\_\_ how efficient different approaches were in performing various calculations.

Computer science **(3)** \_\_\_\_\_ considerably during this time with the branch of mathematics known as numerical analysis, which examines the accuracy and precision of calculations.

As the use of computers expanded between the 1950s and the 1970s, the focus of computer science **(4)** \_\_\_\_\_ to include **(5)** \_\_\_\_\_ the use of computers through programming languages — artificial languages used to program computers, and operating systems—computer programs that **(6)** \_\_\_\_\_ a useful interface between a computer and a user.

During this time, computer scientists were also experimenting with new applications and computer designs, **(7)** \_\_\_\_\_ the first computer networks, and **(8)** \_\_\_\_\_ relationships between computation and thought. In the 1970s, computer chip manufacturers began to mass produce microprocessors — the electronic circuitry that serves as the main information processing center in a computer.

This new technology **(9)** \_\_\_\_\_ the computer industry by dramatically reducing the cost of building computers and greatly increasing their processing speed.

**ABILITY**  
**ANALYSIS**

**LAP**

**BROAD (4)**  
**SIMPLE (5)**

**PROVISION**

**CREATION**  
**EXPLORATION**

**REVOLUTION**

