**Input and output**

* **IN** – reads the next value from the data, and stores it in the accumulator. The error message \*\*\* PROGRAM REQUIRES MORE DATA \*\*\* is printed if the program tries to read beyond the end of the data provided.
* **OUT** – prints the current value of the accumulator. No carriage return is printed.
* **PRINT** "*text in quotes*" – prints the given text. No carriage return is printed.
* **LINE** – prints a carriage return, thus starting a new line.

**Memory storage**

* **LOAD** *location* or **LOAD** *constant* – copies the value of the given location or constant to the accumulator.
* **STORE** *location* – copies the contents of the accumulator to the given location.

**Mathematical instructions**

* **ADD** *location* or **ADD** *constant* – adds the value of the given location or constant to the accumulator.
* **SUBTRACT** *location* or **SUBTRACT** *constant* – subtracts the value of the given location or constant from the accumulator.
* **MULTIPLY** *location* or **MULTIPLY** *constant* – multiplies the accumulator by the value of the given location or constant.
* **DIVIDE** *location* or **DIVIDE** *constant* – divides the accumulator by the value of the given location or constant. The result is rounded down if the result is positive, and up if the result is negative. A \*\*\* DIVISION BY ZERO \*\*\* error message is printed if the divisor is zero.

In each case, the result of the operation is stored in the accumulator, replacing the previous value.

**Program control**

* **JUMP** *label* – unconditionally transfers control to location labelled.
* **JINEG** *label* (**J**ump **I**f **NEG**ative) – transfers control to location labelled if the accumulator contains a negative value.
* **JIZERO** *label* (**J**ump **I**f **ZERO**) – transfers control to location labelled if the accumulator contains zero.
* **HALT** – terminates the program.

**Other symbols**

Three special symbols are used in CESIL at the beginnings of lines.

* **%** is used to mark the end of the program and the start of data.
* **\*** is used to mark the end of the data.
* **(** is used at the start of a line to indicate a comment.