

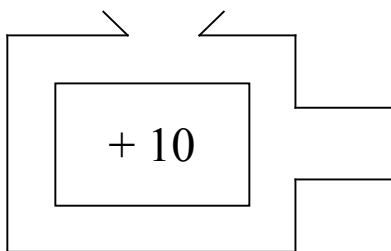
Assessment Task

TI-15 Explorer™: Function Machines & Factor That!

AT

Name: _____

1. Write down the keystroke sequence that you would use on the TI-15 Explorer™ calculator to create a function machine that adds 10 to any numbers that are fed into the machine.

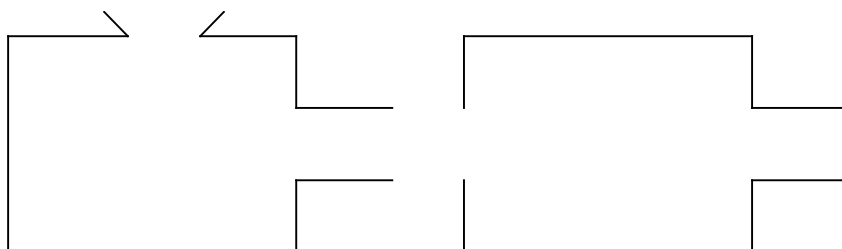


2. Explain what would happen if a "x 10" function machine was placed in reverse.

3. Describe another function machine that would produce a similar effect to a "reverse x 10 function machine".

4. Two function machines are joined. The first multiplies numbers by 50 and the second by 0.1. A single function machine is to replace the two function machines. What type of machine will be required?

5. Show two joined function machines that would halve the numbers that are initially fed into the first function machine.



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6. List all the factors of 64

7. Use a factor tree to list all the prime factors of 30