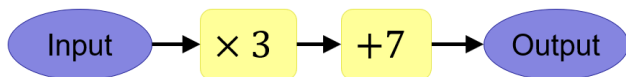


## Function Machines

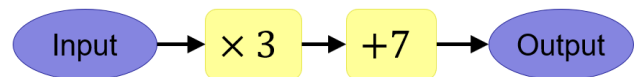
Here is a function machine.



- (a) Find the output when the input is 10
- (b) Find the output when the input is 2.5
- (c) Find the output when the input is -3
- (d) Find the **input** when the **output** is 31

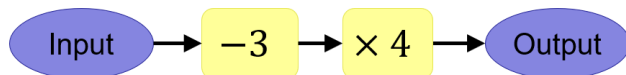
## Function Machines

Here is a function machine.



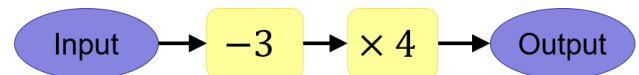
- (a) Find the output when the input is 10
- (b) Find the output when the input is 2.5
- (c) Find the output when the input is -3
- (d) Find the **input** when the **output** is 31

Here is a function machine.



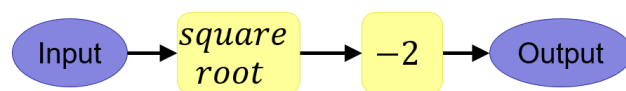
- (a) Find the output when the input is 5
- (b) Find the output when the input is 12
- (c) Find the output when the input is 2
- (d) Find the **input** when the **output** is 28

Here is a function machine.



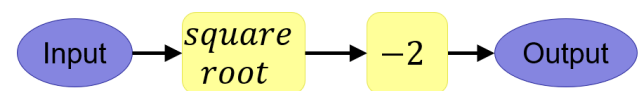
- (a) Find the output when the input is 5
- (b) Find the output when the input is 12
- (c) Find the output when the input is 2
- (d) Find the **input** when the **output** is 28

Here is a function machine.



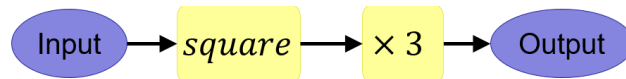
- (a) Find the output when the input is 25
- (b) Find the output when the input is 49
- (c) Find the output when the input is 121
- (d) Find the **input** when the **output** is 2

Here is a function machine.



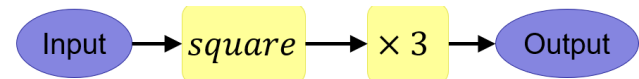
- (a) Find the output when the input is 25
- (b) Find the output when the input is 49
- (c) Find the output when the input is 121
- (d) Find the **input** when the **output** is 2

Here is a function machine.



- (a) Find the output when the input is 2
- (b) Find the output when the input is 10
- (c) Find the output when the input is -5
- (d) Find the **input** when the **output** is 48

Here is a function machine.



- (a) Find the output when the input is 2
- (b) Find the output when the input is 10
- (c) Find the output when the input is -5
- (d) Find the **input** when the **output** is 48

- (a) When the input is 3, the output is 10. Suggest two possible function machines.
- (b) When I input 2, I get an output of 7. When I input 4, I get an output of 17. Can you work out what my two-step function machine is?

- (a) When the input is 3, the output is 10. Suggest two possible function machines.
- (b) When I input 2, I get an output of 7. When I input 4, I get an output of 17. Can you work out what my two-step function machine is?