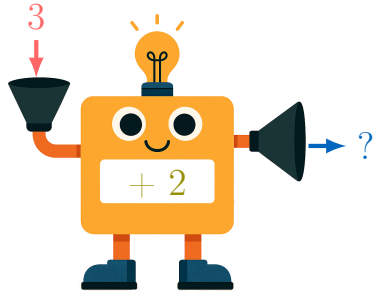


FUNCTIONS

A DEFINITION

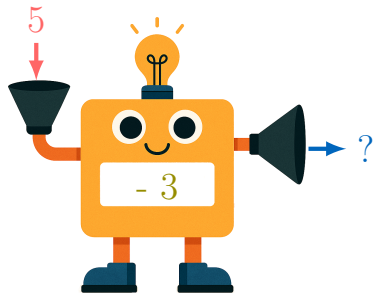
A.1 CALCULATING THE OUTPUT OF A FUNCTION

Ex 1:



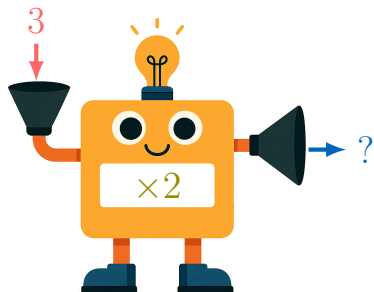
- Rule: **add 2**
- Input: **3**
- Output:

Ex 2:



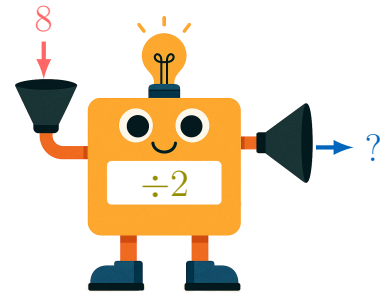
- Rule: **subtract 3**
- Input: **5**
- Output:

Ex 3:



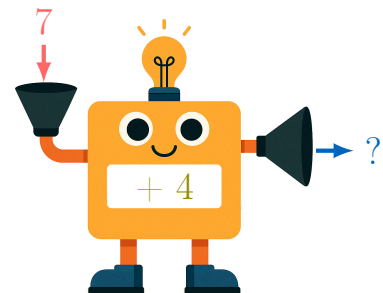
- Rule: **multiply by 2**
- Input: **3**
- Output:

Ex 4:



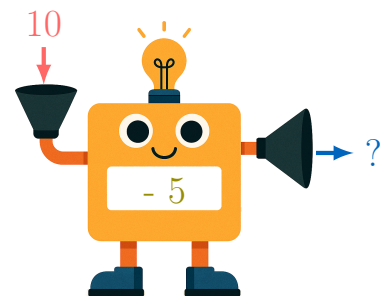
- Rule: **divide by 2**
- Input: **8**
- Output:

Ex 5:



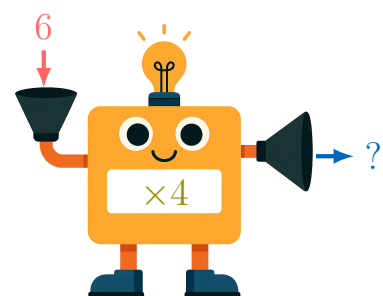
- Rule: **add 4**
- Input: **7**
- Output:

Ex 6:



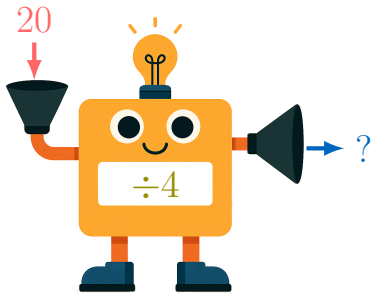
- Rule: **subtract 5**
- Input: **10**
- Output:

Ex 7:



- Rule: multiply by 4
- Input: 6
- Output:

Ex 8:

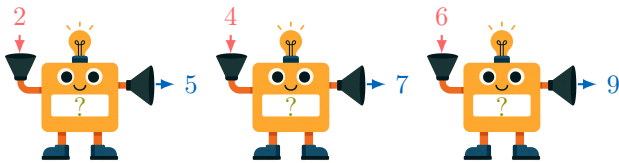


- Rule: divide by 4
- Input: 20
- Output:

A.2 FINDING THE RULE OF A FUNCTION

Ex 9: For these inputs and outputs, find the rule:

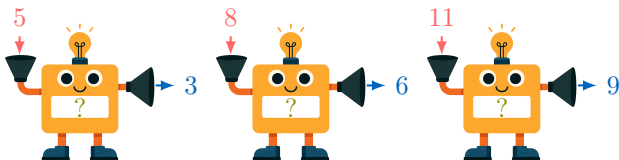
Input	2	4	6
Output	5	7	9



- Rule:
- ☐ Add
 - ☐ Subtract
 - ☐ Multiply
 - ☐ Divide

Ex 10: For these inputs and outputs, find the rule:

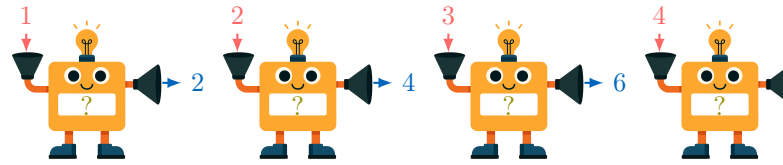
Input	5	8	11
Output	3	6	9



- Rule:
- ☐ Add
 - ☐ Subtract
 - ☐ Multiply
 - ☐ Divide

Ex 11: For these inputs and outputs, find the rule:

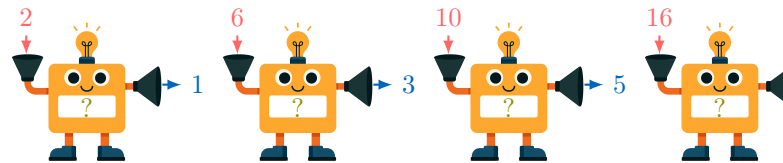
Input	1	2	3	4
Output	2	4	6	8



- Rule:
- ☐ Add
 - ☐ Subtract
 - ☐ Multiply
 - ☐ Divide

Ex 12: For these inputs and outputs, find the rule:

Input	2	6	10	16
Output	1	3	5	8



- Rule:
- ☐ Add
 - ☐ Subtract
 - ☐ Multiply
 - ☐ Divide

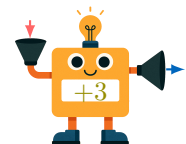
B TABLE OF VALUES

B.1 CALCULATING THE OUTPUTS OF A FUNCTION



Ex 13: For the rule "add 2", , complete the table of values:

Input	2	3	4
Output			



Ex 14: For the rule "add 3", , complete the table of values:

Input	0	5	10
Output			



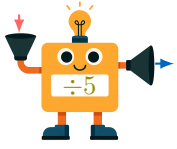
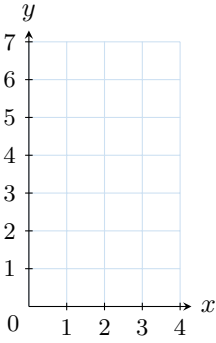
Ex 15: For the rule "subtract 5", , complete the table of values:

Input	6	12	20
Output			



Ex 16: For the rule "multiply by 10", complete the table of values:

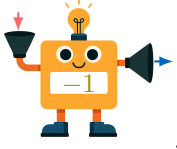
Input	2	5	20
Output			



Ex 17: For the rule "divide by 5", complete the table of values:

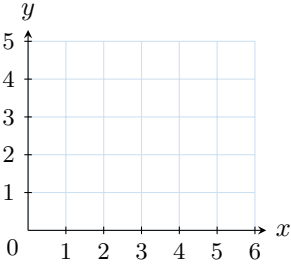
Input	5	10	20
Output			

Ex 20: Plot the line graph for the rule "subtract



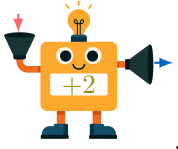
1", using the table of values below:

Input	1	2	3	4	5
Output	0	1	2	3	4



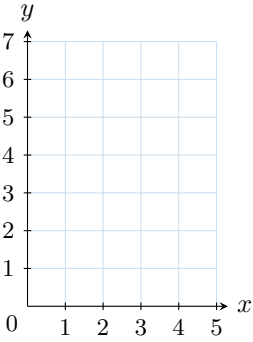
C GRAPHS

C.1 PLOTTING LINE GRAPHS

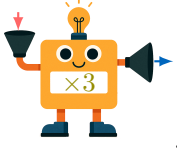


Ex 18: Plot the line graph for the rule "add 2", using the table of values below:

Input	1	2	3	4
Output	3	4	5	6

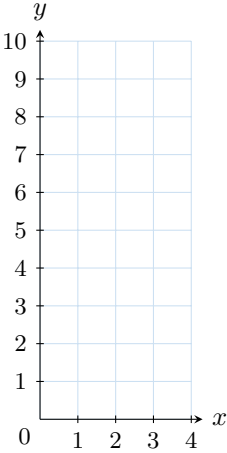


Ex 21: Plot the line graph for the rule "multiply by

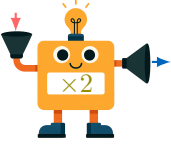


3", using the table of values below:

Input	0	1	2	3
Output	0	3	6	9



Ex 19: Plot the line graph for the rule "multiply by



2", using the table of values below:

Input	0	1	2	3
Output	0	2	4	6

