

Patterns Not Memory

Activity Sheet 1

Name: _____

Date: _____

Complete the number sequences. Look for patterns.

①	5	10	_____	_____	_____	_____	
	_____	_____	_____	_____	_____	60	

What number are you counting by? _____

What patterns do you notice? _____

②	4	8			
					60

What number are you counting by? _____

What patterns do you notice? _____

③	3	6	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	60

What number are you counting by? _____

What patterns do you notice? _____

Predict the next number in each sequence above and write it in the box to the right of each problem.

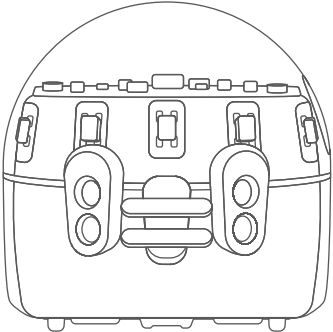
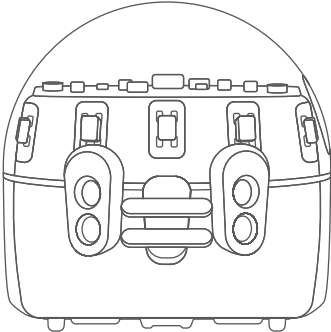
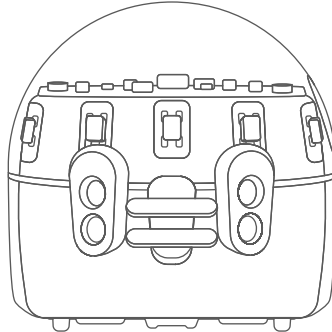
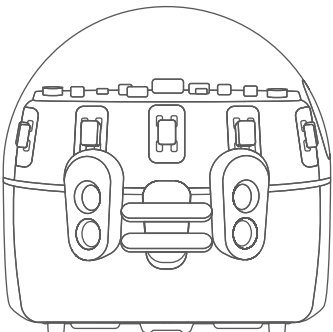
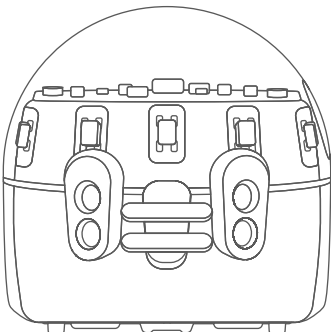
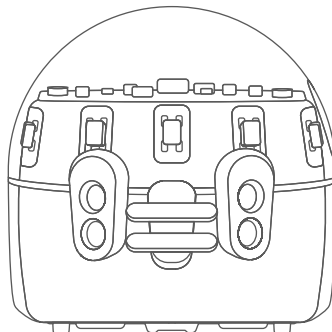
Patterns Not Memory

Activity Sheet 2

Creator Name: _____

Finisher Name: _____

In boxes 1-5, create a pattern for Ozobot's lights. Trade papers with someone. Predict the light pattern of the final bot. Program Ozobot to start in box 1 and travel the page with the same light pattern as the drawings, ending in box 6.

1 	2 	3 
6 	5 	4 

What is the pattern? _____

I predict the last drawing will look like _____

Share Code: _____

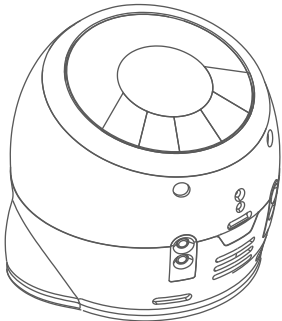
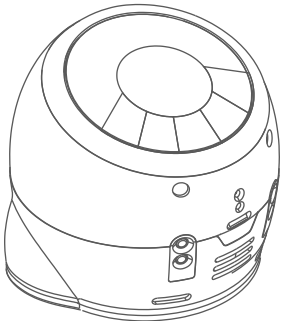
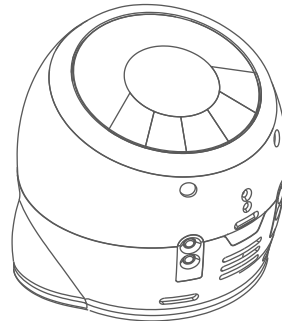
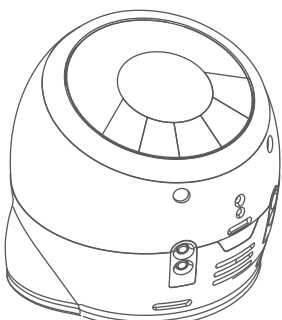
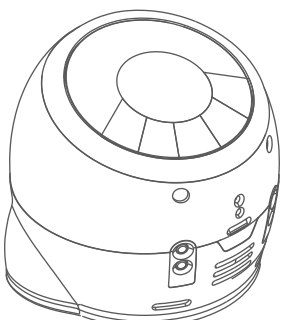
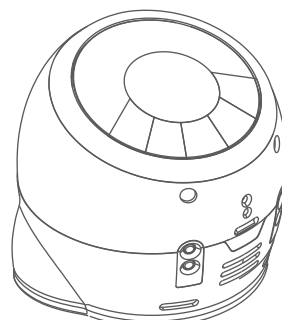
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Activity Sheet 2

Creator Name: _____

Finisher Name: _____

In boxes 1-5, create a pattern for Ozobot's lights. Trade papers with someone. Predict the light pattern of the final bot. Program Ozobot to start in box 1 and travel the page with the same light pattern as the drawings, ending in box 6.

1 	2 	3 
6 	5 	4 

What is the pattern? _____

I predict the last drawing will look like _____

Share Code: _____

Patterns Not Memory

Activity Sheet 1 – Possible Solution

Name: _____

Date: _____

Complete the number sequences. Look for patterns.

① 5 10 15 20 25 30
 35 40 45 50 55 60

65

What number are you counting by? 5

What patterns do you notice? The number in the ones place ends in 0 or 5. The numbers in the tens place repeat 2 times after you get to 10.

② 4 8 12 16 20
 24 28 32 36 40
 44 48 52 56 60

64

What number are you counting by? 4

What patterns do you notice? The numbers in the ones place repeat after you multiply 4x5.

③ 3 6 9 12 15
 18 21 24 27 30
 33 36 39 42 45
 48 51 54 57 60

63

What number are you counting by? 3

What patterns do you notice? The numbers alternate between odd and even.

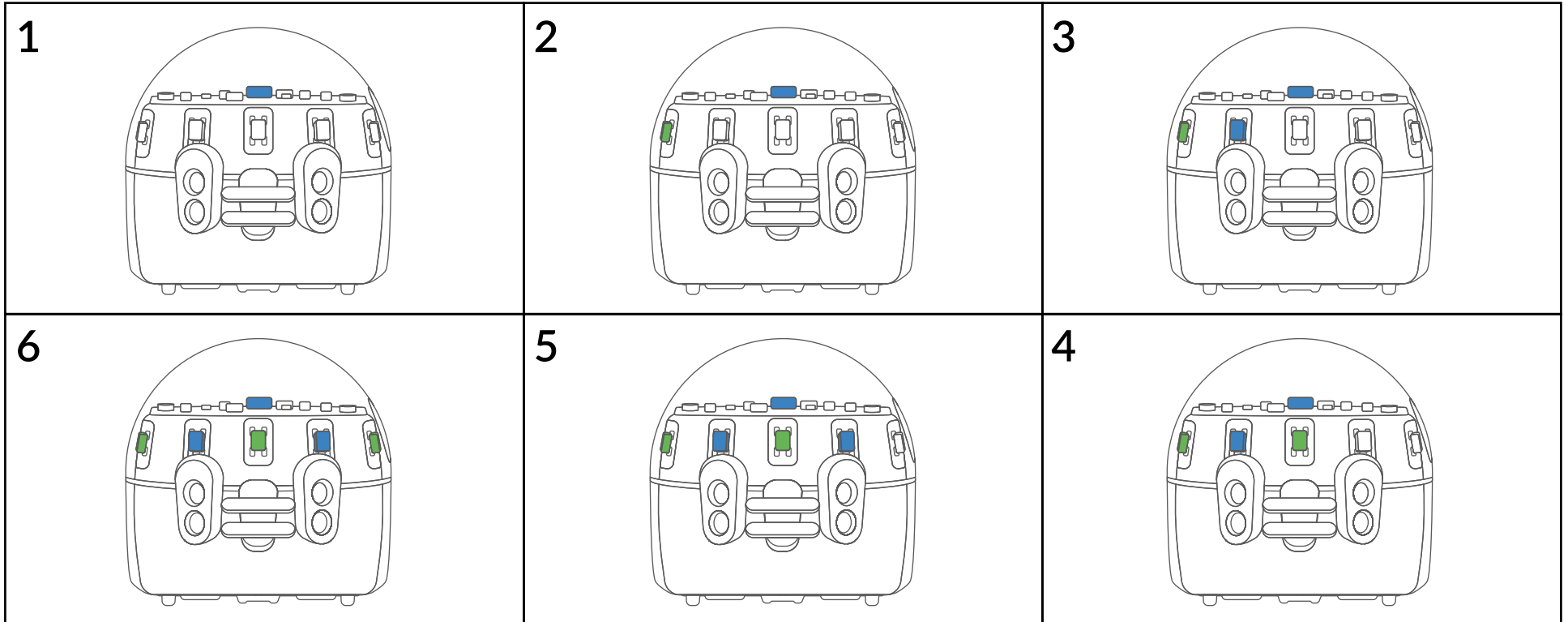
Predict the next number in each sequence above and write it in the box to the right of each problem.

Patterns Not Memory
Activity Sheet 2 – Evo Solution

Creator Name: _____

Finisher Name: _____

In boxes 1-5, create a pattern for Ozobot's lights. Trade papers with someone. Predict the light pattern of the final bot. Program Ozobot to start in box 1 and travel the page with the same light pattern as the drawings, ending in box 6.



What is the pattern? Color switch blue/green and adding one light at a time

I predict the last drawing will look like Blue top light, front lights left to right green blue green blue green

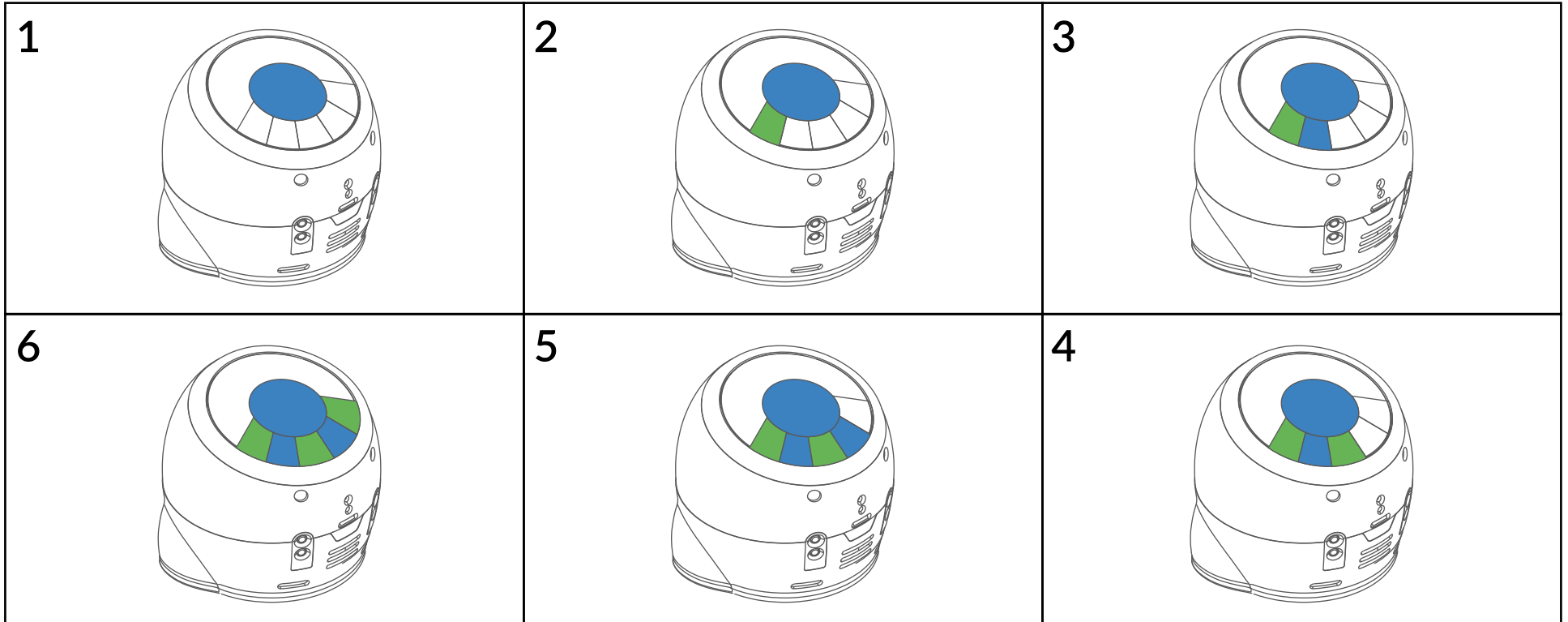
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Patterns Not Memory
Activity Sheet 2 – Ari Solution

Creator Name: _____

Finisher Name: _____

In boxes 1–5, create a pattern for Ozobot's lights. Trade papers with someone. Predict the light pattern of the final bot. Program Ozobot to start in box 1 and travel the page with the same light pattern as the drawings, ending in box 6.



What is the pattern? Color switch blue/green and adding one light at a time

I predict the last drawing will look like Blue centerlight, front lights alternating green blue green blue green

Share Code: afo9yj3