

Mr. G's Math Marvels

Patterns

Handout #1

Search for the pattern and complete the table.

Input	5	8	9	11	13	18
Output	7	10	11			

What is the rule?

Input	5	8	9	11	13	18
Output	1	4	5			

What is the rule?

Input	1	3	5	7	9	11
Output	2	6	10			

What is the rule?

Input	16	15	14	13	12	11
Output	7	6	5			

What is the rule?

Input	36	34	30	25	18	12
Output	25	23	19			

What is the rule?

Input	50	33	28	41	16	25
Output	45	28	23			

Input	23	45	29	17	14	62
Output	17	39	23			

What is the rule?

Create your own pattern here.

Input						
Output						

What is the rule

Create your own pattern here.

Input						
Output						

What is the rule?

Can you complete these patterns?

In the blanks please list the next four numbers or symbols as they would appear in the pattern.

2,4,6,8,... _____, _____, _____, _____

5,7,9, ... _____, _____, _____, _____

A,B,A,B,C,A,B,C,D, A,B,.... _____, _____, _____, _____

♣, ♦, ♥, ♣, ♣, ♦, ♥, ♣, ♣, ♣, ♦, ♥, ♣, _____, _____, _____, _____

∇, A, ∇, ∇, A, ∇, ∇, ∇, A, ∇, ∇, _____, _____, _____, _____

Red, yellow, Red, Red, yellow, yellow, Red, Red, Red, yellow, yellow,
 _____, _____, _____, _____