

Name:

Cryptologists need to be able to find patterns to help them decode messages. Practice your best decoding skills by solving the pattern or identifying the rule.

Rule: $(x + 4) * 3$

Input	7	10		18
Output	33	42	57	66

Rule: $x \div 6 + 13$

Input	42		96	
Output	20	24		36

Rule: $100 \div x + 7$

Input		4	5	
Output	57	32		12

Rule: ()

Input	8	11	14	35
Output	2	3	4	11

Congratulations! With those skills, you are on your way to becoming a cryptologist!

Name: **Answer Key**

Cryptologists need to be able to find patterns to help them decode messages. Practice your best decoding skills by solving the pattern or identifying the rule.

Rule: $(x + 4) * 3$

Input	7	10	15	18
Output	33	42	57	66

Rule: $x \div 6 + 13$

Input	42	66	96	138
Output	20	24	29	36

Rule: $100 \div x + 7$

Input	2	4	5	20
Output	57	32	27	12

Rule: $(x-2) \div 3$

Input	8	11	14	35
Output	2	3	4	11

Congratulations! With those skills, you are on your way to becoming a cryptologist!