

Function Machines

Concept — ANSWER KEY

Guess my rule, then use it.

Think: Look at what happens to each IN number. What is done to it every time?

1. Guess my rule. Fill the blanks, then write the rule.

Machine A

IN ($\triangle$)	→	OUT ($\square$)
16	→	22
0	→	6
1	→	7
4	→	10
14	→	20

Rule: $\square = \triangle + 6$

Machine B

IN ($\triangle$)	→	OUT ($\square$)
10	→	6
13	→	9
16	→	12
19	→	15
15	→	11

Rule: $\square = \triangle - 4$

Machine C

IN ($\triangle$)	→	OUT ($\square$)
7	→	10
6	→	9
14	→	17
1	→	4
13	→	16

Rule: $\square = \triangle + 3$

Machine D

IN ($\triangle$)	→	OUT ($\square$)
8	→	13
3	→	8
4	→	9
15	→	20
11	→	16

Rule: $\square = \triangle + 5$