

Function Machines

Practice — ANSWER KEY

Bigger numbers — and times, not just plus.

Think: The rule might multiply. Try: does OUT = IN doubled? tripled?

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

Machine A

IN ($\triangle$)	→	OUT ($\square$)
15	→	45
5	→	15
3	→	9
2	→	6
4	→	12

Rule: $\square = \triangle \times 3$

Machine B

IN ($\triangle$)	→	OUT ($\square$)
9	→	3
19	→	13
10	→	4
18	→	12
22	→	16

Rule: $\square = \triangle - 6$

Machine C

IN ($\triangle$)	→	OUT ($\square$)
10	→	4
16	→	10
22	→	16
14	→	8
7	→	1

Rule: $\square = \triangle - 6$

Machine D

IN ($\triangle$)	→	OUT ($\square$)
13	→	26
11	→	22
2	→	4
0	→	0
3	→	6

Rule: $\square = \triangle \times 2$