

Name: _____

Wednesday

Math Practice: Understand Patterns (3.OA.9)

Study the function machine. Find the output.

$$8 \rightarrow \boxed{+ 15} \rightarrow \underline{\quad}$$

$$42 \rightarrow \boxed{+ 25} \rightarrow \underline{\quad}$$

$$21 \rightarrow \boxed{+ 32} \rightarrow \underline{\quad}$$

$$35 \rightarrow \boxed{- 30} \rightarrow \underline{\quad}$$

$$86 \rightarrow \boxed{- 17} \rightarrow \underline{\quad}$$

$$39 \rightarrow \boxed{- 13} \rightarrow \underline{\quad}$$

Study the function machine. Find the input.

$$\underline{\quad} \rightarrow \boxed{+ 3} \rightarrow 43$$

$$\underline{\quad} \rightarrow \boxed{+ 18} \rightarrow 20$$

$$\underline{\quad} \rightarrow \boxed{+ 20} \rightarrow 62$$

$$\underline{\quad} \rightarrow \boxed{- 26} \rightarrow 48$$

$$\underline{\quad} \rightarrow \boxed{- 14} \rightarrow 28$$

$$\underline{\quad} \rightarrow \boxed{- 1} \rightarrow 19$$

Study the function machine. What might be the rule?

$$6 \rightarrow \boxed{\quad} \rightarrow 12$$

$$15 \rightarrow \boxed{\quad} \rightarrow 30$$

$$7 \rightarrow \boxed{\quad} \rightarrow 21$$

$$23 \rightarrow \boxed{\quad} \rightarrow 69$$

$$18 \rightarrow \boxed{\quad} \rightarrow 27$$

$$30 \rightarrow \boxed{\quad} \rightarrow 17$$