

Name: _____

Monday

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

Study the function machine. Find the output.

$$7 \rightarrow \boxed{+ 15} \rightarrow \underline{\quad}$$

$$10 \rightarrow \boxed{+ 28} \rightarrow \underline{\quad}$$

$$50 \rightarrow \boxed{+ 25} \rightarrow \underline{\quad}$$

$$34 \rightarrow \boxed{- 12} \rightarrow \underline{\quad}$$

$$41 \rightarrow \boxed{- 10} \rightarrow \underline{\quad}$$

$$27 \rightarrow \boxed{- 5} \rightarrow \underline{\quad}$$

Study the function machine. Find the input.

$$\underline{\quad} \rightarrow \boxed{+ 7} \rightarrow 43$$

$$\underline{\quad} \rightarrow \boxed{+ 23} \rightarrow 46$$

$$\underline{\quad} \rightarrow \boxed{+ 14} \rightarrow 52$$

$$\underline{\quad} \rightarrow \boxed{- 18} \rightarrow 26$$

$$\underline{\quad} \rightarrow \boxed{- 10} \rightarrow 40$$

$$\underline{\quad} \rightarrow \boxed{- 2} \rightarrow 16$$

Study the function machine. What might be the rule?

$$16 \rightarrow \boxed{\quad} \rightarrow 21$$

$$2 \rightarrow \boxed{\quad} \rightarrow 8$$

$$25 \rightarrow \boxed{\quad} \rightarrow 35$$

$$22 \rightarrow \boxed{\quad} \rightarrow 46$$

$$25 \rightarrow \boxed{\quad} \rightarrow 75$$

$$21 \rightarrow \boxed{\quad} \rightarrow 42$$