Determining Pattern Rules Lesson

Problem: Which choice uses the same addition rule as the shared pattern?

21, 32, 43, 54, 65

A) 12, 24, 36, 48, 54

B) 35, 46, 57, 68, 79

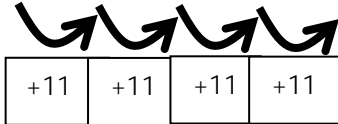C) 46, 55, 64, 73, 82

D) 50, 60, 69, 78, 87

Explanation:

Step 1) **Determine the addition rule of the given pattern.**

21, 32, 43, 54, 65

Each value increases, we just have to determine by how much.

21,   32,   43,   54,   65

| +11 | +11 | +11 | +11 |

We can see that each value is 11 more than the previous number. This tells us the rule for the pattern is +11.

Step 2) Examine the given patterns to find a pattern that has a +11 rule.

A) 12, 24, 36, 48, 54	B) 35, 46, 57, 68, 79
Rule = +12	Rule = +11

C) 46, 55, 64, 73, 82	D) 50, 60, 69, 78, 87
Rule = +9	Rule = +10 (-n)

It's clear to see that letter B is the correct choice.