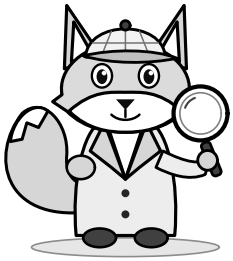
Name : _____ Date : _____

PAPILUMO / Grade 3 (ages 8–9) • Answer key

Number Patterns: Find the Rule to 200

Check the jump between two neighboring stones, fill in the two blank stones, and write the rule inside the magnifying box.

Riko the detective fox is tracking six numbered trails in the woods. Crack every rule up to 200!



Worked example **Rule: +6**

24 →(+6) 30 →(+6) 36 →(+6) 42 →(+6) 48 ⇢ +6

From 24 to 30 and 36, each hop adds 6: 24 + 6 = 30, 30 + 6 = 36, 36 + 6 = 42, 42 + 6 = 48.

Complete all six number trails and write each rule in the magnifying box

A 108 → 112 → 116 → 120 → 124 → 128 ⇢ Rule: **+4**

B 185 → 180 → 175 → 170 → 165 → 160 ⇢ Rule: **−5**

C 96 → 108 → 120 → 132 → 144 → 156 ⇢ Rule: **+12**

D 195 → 180 → 165 → 150 → 135 → 120 ⇢ Rule: **−15**

E 131 → 138 → 145 → 152 → 159 → 166 ⇢ Rule: **+7**

F 5 → 10 → 20 → 40 → 80 → 160 ⇢ Rule: **×2**

Riko’s clue: compare two neighboring numbers first and test whether the pattern goes up (+), down (−), or doubles (×2).