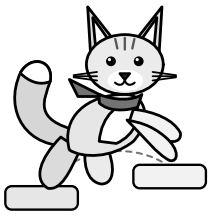
Name : _____ Date : _____

PAPILUMO / Grade 3 (ages 8–9)

Skip Counting by 9 to 108

Fill in the missing multiples of 9 up to 108 using the +10 − 1 mental shortcut, then solve the final pattern checkpoint.



Sacha the acrobat cat leaps from platform to platform by 9s! Jump quickly by adding 10 and subtracting 1 on every hop.

Worked example (+10 − 1 shortcut: tens +1, ones −1):

9 $\xrightarrow{+9}$ 18 $\xrightarrow{+9}$ 27 $\xrightarrow{+9}$ 36 $\xrightarrow{+10-1}$ 45 $\xrightarrow{+10-1}$ 54

1. Forward hopping tracks: count forward by 9s up to 108

1. 9 $\xrightarrow{+9}$ 18 $\xrightarrow{+9}$ 27 $\xrightarrow{+9}$ ☐ $\xrightarrow{+9}$ ☐ $\xrightarrow{+9}$ ☐

2. 63 $\xrightarrow{+9}$ 72 $\xrightarrow{+9}$ 81 $\xrightarrow{+9}$ ☐ $\xrightarrow{+9}$ ☐ $\xrightarrow{+9}$ ☐

2. Mixed middle tracks: fill in the missing multiples of 9

3. 18 $\xrightarrow{+9}$ ☐ $\xrightarrow{+9}$ 36 $\xrightarrow{+9}$ ☐ $\xrightarrow{+9}$ 54 $\xrightarrow{+9}$ ☐

4. 45 $\xrightarrow{+9}$ ☐ $\xrightarrow{+9}$ ☐ $\xrightarrow{+9}$ 72 $\xrightarrow{+9}$ ☐ $\xrightarrow{+9}$ 90

5. ☐ $\xrightarrow{+9}$ 72 $\xrightarrow{+9}$ ☐ $\xrightarrow{+9}$ 90 $\xrightarrow{+9}$ ☐ $\xrightarrow{+9}$ 108

3. Acrobat pattern checkpoint: apply the +10 − 1 rule and ones pattern

A. Find 72 + 9 in two quick steps (+10, then −1):

72 $\xrightarrow{+10}$ ☐ $\xrightarrow{-1}$ ☐

B. Ones-digit pattern (9 to 63): fill the missing digit:

9 → 8 → 7 → 6 → ☐ → 4 → 3

Sacha's tip: on every +9 hop from 9 to 90, the tens digit goes up by 1 and the ones digit goes down by 1 (then 90, 99, 108).