Name : _____ Date : _____

PAPILUMO / 3rd Grade (ages 8–9)

Pythagorean Chart & Cutout Puzzles

Complete the 18 framed blanks in the 10×10 multiplication chart, then deduce missing factors and products in the three cutout puzzles.



Tip: follow a row and a column across until their intersection!

Sacha the owl teacher left 18 blanks in the chart and 3 cutout subgrid puzzles!

Worked 2×2 intersection tip: row 4 × column 7 = 28

×	6	7
3	18	21
4	24	**28**

→ **4 × 7 = 28**

Row 4, col 7

1 1. Complete the 18 strategic blanks across the 10×10 Pythagorean chart

10×10 Pythagorean Multiplication Chart — 18 blanks to fill

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6		10	12	14		18	20
3	3	6	9	12		18	21	24		30
4	4	8		16	20		28	32	36	40
5	5		15	20	25	30	35	40		50
6	6	12	18		30	36		48	54	60
7	7	14		28	35		49		63	70
8	8		24	32		48	56	64		80
9	9	18	27		45	54		72	81	90
10	10	20	30	40	50	60	70	80	90	100

2 2. Solve the 3 cutout subgrid puzzles by finding missing factors and products

Puzzle A — 4 blanks

×	3		8
4	12	24	
7			56

Puzzle B — 4 blanks

×	4	7	9
	24		
8			
5	20		

Puzzle C — 5 blanks

×		6	9
5	40	30	
		42	
9			

Sacha's clue: in each cutout puzzle, use a known intersection product (like 4 × ? = 24) to unlock the missing edge factor first!