

UC Merced Applied Math Problem of the Month

April 2025

SUN	MON	TUE	WED	THR	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Look at the three numbers (10, 24, 26) in the April calendar. Their positions form a right triangle and they satisfy $10^2 + 24^2 = 26^2$. So let's call them a Pythagorean triangle on the calendar. How many Pythagorean triangles are there in the calendar of Year 2025? We follow the convention that a week starts on Sunday.

To submit your solutions for a chance to win an Amazon gift card, and to find out detailed contest rules,

- scan the QR code, or
- go to <https://bit.ly/UCM-POTM>

