Calendar Capers

You need ☑ a calendar   ☑ a classmate

Activity One

Select 3 numbers in a line on the calendar page below.
The numbers can be horizontal, vertical, or diagonal.
Divide the total by 3.

December 2004						
Sun	Mon	Tues	Wed	Thurs	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	31	

1. What did you discover? Does it work for any 3 numbers in a line on a calendar page? Does it work in any month?

2. Why does the pattern work?

Activity Two

> *I have chosen 4 numbers in a square on a calendar page, and they add up to 48. Can you guess what my numbers are?*

> *Umm … the smallest number will be 8, so the other 3 numbers must be 9, 15, and 16.*

> *Wow, that was quick, Sam! How did you do it?*

1. **a.** Can you explain how Sam solved the puzzle?

b. Choose another 4 numbers in a square on a calendar page and find their total. Does Sam's method work for your numbers?

2. Does the method work with any 4 numbers in a square on a calendar page? Explain your answer.