



Name _____ Class _____ Date _____

Galileo has six cars in his yard and each one has a different reading on the odometer. He has decided to pose a problem and give away his shiny yellow Porsche to anyone who can solve his puzzle.

The puzzle is to work out the exact number of kilometers that each car has driven. Galileo has provided the following clues:

1. The old green convertible has driven more than 200,000 km and less than 300,000 km. Only two digits appear on the odometer and the numbers in the thousand, ten thousands and hundred thousands place each equal half the value of the digits in the ones, tens and hundreds place.
2. The blue Volkswagen's odometer shows approximately $\frac{1}{3}$ of the amount of the green convertible. The five digits on the odometer form a palindrome. This means that the number reads the same from front or back, such as 53435 or 2332.
3. The orange van has nearly 24,850 more kilometers on it than the VW. The number

PREVIEW

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Truck:						
Ferrari:						
Mustang:						



Challenge:

Galileo has another car yard where Smooth the super sales representative is employed. Smooth sold three cars in his first week on the job. The second week saw him sell 9, with sales of 18 in the third week and 30 in the fourth week. If Smooth continues at this rate, for how many number of weeks will he have been working when he sells 84 cars in one week?



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PREVIEW

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Truck:	1	7	3	1	3	6
Ferrari:	0	4	3	2	8	4
Mustang:	0	2	1	6	4	2



Challenge:

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