

# Math Forum - Problem of the Week

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## Penny Dates

I had a collection of five pennies. The dates on them were:

1996  
1993  
1987  
1990  
1994

1. What was the mean average date of my pennies?

After I added one more penny to my collection, the mean date became exactly 1993.

2. What is the date of my new penny?

Be sure to explain your strategy and tell how you know your answer is correct.

**Extra:** My sister had 10 pennies with a mean average date of exactly 1995. Mom gave her two more pennies. Now the mean date of her collection is exactly 1996. List all the possible pairs of dates on her new coins. Explain how you found them and why you are certain you have them all.



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