

**Warm Up 45**

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Name \_\_\_\_\_

Work with your group to find solutions to the following:

Show all work

- 1 D. James was born in an interesting year. The tens digit was twice the thousands digit, the ones digit was three times the tens digit, and the hundreds digit was equal to the sum of the other three digits. In what year was her born ?
  
  
  
  
  
  
  
  
  
  
- 2 Numbers such as 543 or 531 have their digits in strictly decreasing order because each digit is less than the digit to its left. The digits in 433 are not in strictly decreasing order. How many whole number between 100 and 599 have their digits in strictly decreasing order ?
  
  
  
  
  
  
  
  
  
  
- 3 One light flashes every two minutes and another flashes every seven minutes. If both lights flash together at 1 pm, what is the first time after 3 pm that both lights will flash together ?
  
  
  
  
  
  
  
  
  
  
- 4 Sam has 17 coins with a value of 76 cents. The coins are nickels, dimes and pennies. He has twice as many pennies as dimes. How many nickels does Sam have ?