

1

When Mrs. T's students answer the bonus question correctly, she awards a bonus. If the base score is between 10 and 99, the bonus is equal to 2 times the tens digit in the base score. The last test Mrs. T scored was between 10 and 99, and the student answered the bonus question correctly. Was the bonus given greater than 17% of the base score?

- (1) The base score of the test was between 50 and 90.
- (2) Mrs. T added 16 bonus points to the last test she graded.

2

Whenever Martin has a restaurant bill with an amount between \$10 and \$99, he calculates the dollar amount of the tip as 2 times the tens digit of the amount of his bill. If the amount of Martin's most recent restaurant bill was between \$10 and \$99, was the tip calculated by Martin on this bill greater than 15 percent of the amount of the bill?

- (1) The amount of the bill was between \$15 and \$50
- (2) The tip calculated by Martin was \$8

3

A rental car agency purchases fleet vehicles in two sizes: a full-size car costs \$10,000, and a compact costs \$9,000. How many compact cars does the agency own?

- (1) The agency owns 7 total cars.
- (2) The agency paid \$66,000 for its cars.

4

Of the 66 people in a certain auditorium, at most 6 people have their birthdays in any one given month. Does at least one person in the auditorium have a birthday in January?

- (1) More of the people in the auditorium have their birthday in February than in March.
- (2) Five of the people in the auditorium have their birthday in March.