

What is my house number?

- A. 57
- B. 50
- C. 55
- D. 70
- E. 65

7. *A car covers a distance of 420 km. at a constant speed. It will take 1.4 hrs. more if the speed is 10 km/hr less. What is its speed?*

- A. 70 km/hr
- B. 65 km/hr
- C. 50 km/hr
- D. 60 km/hr
- E. Data not sufficient

8. *ABC is an isosceles triangle with $AB=AC=6$ cm. The bisector of angle A meets BC at D. If $AD = 3\sqrt{2}$, find BC.*

- A. 4.242
- B. 6
- C. 8.484
- D. 4
- E. 7

9. *There were 56 handshakes in a party. Assuming each person has to shake hands with every other and the other person needs to reciprocate, how many people were present?*

- A. 28
- B. 8
- C. 9
- D. 7
- E. Can not be determined

10. *If x, y, z are consecutive non-zero integers and if $x < y < z$, which of the following must always be a positive odd integer?*

- A. $x - y - z$
- B. $xy + z$
- C. $x + y - z$
- D. $xz - y$
- E. $x + y + z$

11. *For the dinner arranged by IBM, 240 guests were estimated. The contractor thus fixed a price that would give him 12.5% profit. 30 people failed to turn up and the remaining people paid the fixed price for their dinner. The contractor thus lost Rs. 100. Find the price fixed per person.*

- A. 20
- B. 25
- C. 30
- D. 32
- E. 45