

1. Two of Tom, Dick and Harry are musicians. Shorter of Tom and Dick is the older of the musicians, while the younger of Dick and Harry is the shorter of the musicians. Also, the taller of Tom and Harry is the younger of the musicians. Who are the two musicians?

A. Tom & Harry  
 B. Dick & Harry  
 C. Tom & Dick  
 D. Improper data  
 E. Data Insufficient

2. B says that his mother is the only daughter of A's mother. How is A related to B?

A. Son  
 B. Mother  
 C. Father  
 D. Aunt  
 E. Uncle

3. The sides of a triangular field are 2646, 5157 and 5634 meters. Find the greatest length of the tape by which the three sides may be measured completely.

A. 12  
 B. 9  
 C. 10  
 D. 11  
 E. None

4. Consider the following addition problem:

A	B	C		
		D		
		E	F	G
				H
				I

Each of the digits 1, 2, 3, 4, 5, 6, 7, 8 and 9 is represented by a different letter in the above addition. They are positioned above so that each of  $A+B+C$ ,  $C+D+E$ ,  $E+F+G$  and  $G+H+I$  is equal to 13. What digit does E represent?

A. 1  
 B. 2  
 C. 4  
 D. 9  
 E. 3

5. The ratio of milk to water in a 20-liter mixture is 3:1. How much milk should be added so that this ratio is 4:1?

A. 5 liters  
 B. 4 liters  
 C. 5.5 liters  
 D. 6 liters  
 E. None of the above

6. My house has a number such that

- If it is not a multiple of 3, then it is a number from 50 through 59.
- If it is not a multiple of 5, then it is a number from 60 through 69.
- If it is not a multiple of 10, then it is a number from 70 through 79.

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