






# Answer Key

1. B
2. B
3. C
4. A
5. E  
A: 13  
B: 13  
C: 13  
D: 13  
E: 15

6. A
7. C
8. E
9. D

10. Ann:   
Jim:   
Bob:   
Eve:   
Barb:  D)

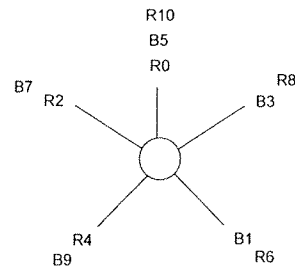
11. E
12. B



13. A: 6  
B: 5 ✓  
C: 6  
D: 6  
E: 6

14. C  
1. 55  
2. 505  
3. 5050  
4. 5055  
5. 5505  
6. 50055  
7. **50500**  
8. 50505  
9. 50550  
10. 55055

15. A
16.  $9 + 3 \times 6 - 2 \times 2 = 23$  cm
17. 10



1	2	3	4	5
R		B		R
	B		R	
B		R		B
	R		B	
R				

18. 3 moves:  
① QARGONKA  
② KARGONOA  
③ KANGOROΔ  
**KANGAROO**

19.  $3m + 4p + 2o = 7p$   
 $3m + 2o = 3p$  ①  
 $2m + 3o + 3p = 8o$   
 $2m + 3p = 5o$  ②  
① + ②  
 $5m = 3o$
20. Mara wakes up at 10 am at California time.  
Bertie goes to bed at 10 pm at California time.

## Dr. Li's Math Contest (Spring 2019) Gr3&4

Both of them are awake from 10 am to 10 pm at California time, so 12 hours long.

21. 4 girls and 3 boys.

$$\begin{aligned} 22. \quad & 12+4+6+\dots+100 \\ & - (11+3+5+\dots+99) \\ & = 1 + 1 + 1 + \dots + 1 \\ & = \boxed{45} \end{aligned}$$

$$23. \quad 8 + 14 + 5 + 5 = 32$$

$$7 - 4 = \boxed{3}$$

24. 5 animals: G, E, L, Z, T

$$\square \times \square \times \square$$

$$3 \times 4 \times 3 = 36$$

$$25. \quad 1234567890$$

$$123, 234, 345, 456, 678, 789$$

$$987, 876, 765, 654, 432, 321, 210$$

$$7 + 8 = 15$$

### Bonus

1) 35

2) 24