1.	Add the word:	Calculation	Inverse Operation Check
	most	141 + 4 = 145	145 – 4 = 141
	grand	141 + 5 = 146	146 – 5 = 141
	welcome	141 + 7 = 148	148 – 7 = 141

Remove the word:	Calculation	Inverse Operation Check
in	141 – 2 = 139	139 + 2 = 141
generous	141 – 8 = 133	133 + 8 = 141
celebrate	141 - 9 = 132	132 + 9 = 141

- 2. 455 + 30 = 485; he has subtracted 30 instead of adding 30
  - 455 30 = 425; he has subtracted 3 ones instead of 3 tens
- 3. 365 + 100 = 465
- 365 + 400 = 765
- 365 + 200 = 565
- 365 + 500 = 865
- 365 + 300 = 665
- 365 + 600 = 965

4				
4.	Rugs			
	Already have:	To make 200:		
	Room 1: 190	10		
	Room 2: 150	50		
	Room 3: 130	70		
	Room 4: 160	40		

_ [	Room 4: 160	40	
5.	Lamps		
	Already have:	To make 200:	
	Room 1: 191	9	
	Room 2: 196	4	
	Room 3: 193	7	
	Da a 4: 100	•	

Couches		
Already have:	To make 200:	
Room 1: 110	90	
Room 2: 180	20	
Room 3: 120	80	
Room 4: 140	60	

Candles		
Already have:	To make 400:	
Room 1: 397	3	
Room 2: 395	5	
Room 3: 394	6	
Room 4: 398	2	

- 6. Answers will vary but should match up with the increasing quantities depicted in the picture: for example, 10 Sapphires, 40 Rubies and 100 Emeralds.
- 7. 510 70 = 440 chairs can be used to play the game. There are 455 confirmed guests, so he needs another 15 chairs for everyone to be able to play.
- 8. No. The rule is add 50 not subtract 50.

9. Answer:

485

- <u>227</u>

258 females

Check:

258

+227

485

- 10. There could have been between 215 and 224 children, so: 485 224 = 261 and 485 215 = 270
  - There could have been between 261 and 270 adults.