1)

8	<	125	<	216
27	<	64	>	1
512	>	343	>	125
729	>	64	=	64
216	<	729	<	1000

1) a) The numbers 111, 216, 16, 27, 343, 18 and 64 should be circled.
    Carroll diagram correctly completed:

	Odd	Even
Cube Number	343, 27	512, 64, 216
Not a Cube Number	111	36, 12, 16, 18

    b) The statement is true. When you multiply any odd number by another odd number, the result will be odd. When you multiply any number by an even number, the result will be even.

2) This is sometimes true. If a number ends in 0, 1, 4, 5 and 6, the last digit of its cube is the same as the original number's. However, if a number does not end in one of these digits, the last digit of its cube is as follows:

- *number ending with 2: the last digit of its cube is 8;*
- *number ending with 8: the last digit of its cube is 2;*
- *number ending with 3: the last digit of its cube is 7;*
- *number ending with 7: the last digit of its cube is 3.*

1)

8	64	27	216	125

2) $3^3 + 4^3 + 5^3 = 6^3$

   $27 + 64 + 125 = 216$

3) $8^3 + 6^3 + 1^3 = 9^3$

   $512 + 216 + 1 = 729$