**Concept Building**

1. Find the number of zeroes at the end of 37! ?
2. Find the number of zeroes at the end of 122! ?
3. If 5x – 5x-3 =124 \* 5y, Find the value of y in terms of x?
4. X b. x-6 c. x-3 d. 2x+4
5. Find the number of zeroes at the end of 23\* 12\* 25\*10\*4\*5\*15\*35?
6. A rope which is 40 feet in length is cut into two pieces in such a way that one piece is 18 feet longer than the other. Find the length of the shorter rope?
7. Three boys X, Y and Z were given a bag containing 195 nuts and it was decided that they should divide them in proportion to their ages which added together to 13 years. However the eldest gave away 5 nuts to X and 20 nuts to Y so as to make all their shares equal. Find the ages of the three boys?
8. A girl started counting numbers using her left hand. She counted 1 on the thumb, 2 on index, 3 on middle, 4 on ring , 5 on little. If she wants to count more she counts 6 on ring, 7 on middle, 8 on index, 9 on thumb, 11 on index and so on. On which finger 2000 appeared?