Write each expression in exponential form  
1) 10•10•10•10  
2) 7•7•7•7•7  
3) 4•4•4  
  
Find each value  
4) 82

5) 43

6) 63

7) 152

8) 28

9)35

10) 381

11) 73

Compare using <, > or =

12) 82 \_\_ 43

13) 92\_\_ 52

14) 62 \_\_ 34

15) 72 \_\_ 24

16) 102 \_\_ 1001

17) 810 \_\_ 92

18) 42 + 5 \_\_ 33-7

19) 23 + 2 \_\_ 32 - 2

20) 25 – 10 \_\_ 42 + 6

21) If it takes Cell A 3 hours to produce two cells, how many cells will Cell A produce in 24 hours?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

22) Use exponents to complete the table.

|  |  |  |
| --- | --- | --- |
| Generation | Number of People | Exponent |
| Parents | 2 | 21 |
| Grandparents | 4 | 22 |
| Great Grandparents |  |  |
| Great-Great Grandparents |  |  |
| Great-Great-Great Grandparents |  |  |