**Activity Number Language**

1. Write down the first 5 prime numbers
2. How many factors does the number 16 have? Write them all down
3. Write down all the common factors of 16 and 36
4. What is the Highest Common Factor (HCF) of 16 and 36?
5. What is the HCF of 8 and 12?
6. What is the Lowest Common Multiple (LCM) of 8 and 12?
7. What is the LCM of 4 and 7?
8. Write down the first 5 cube numbers
9. Is 64 a cube number?
10. Work out the cube root of 216
11. Work out 7 to the power three
12. Write down the first 10 square numbers
13. Is 198 a square number? Why yes or why not?
14. List all the prime factors of 18
15. The temperature in Stockholm was -12 degrees Celsius yesterday. Today it is 5 degrees warmer. What is the temperature today?
16. The roof of my house is 12 meters above the ground level while the floor of my basement is 4 meters below ground level. What is the distance between the roof of my house and the floor of my basement?

**Answers**

1. 2, 3, 5, 7, 11
2. 5 factors : 1, 2, 4, 8, 16 (1x16, 2x8 and 4x4)
3. 1, 2, 4
4. 4
5. 4
6. 24
7. 28
8. 1, 8, 27, 64, 125
9. Yes (4x4x4)
10. 6
11. 343
12. 1, 4, 9, 16, 25, 36, 49, 64, 81, 100
13. No, there is no square with an area of 198 units²
14. 2x3x3 (2x3²)
15. -7 degrees Celsius
16. 16 meters