Prime Numbers

A **Prime Number** has **exactly two factors** 1 and itself.

- **3** is a **prime** number. It has **exactly two factors** 1 and 3.
- **1** is **not** a **prime** number. It has **just one factor** 1.
- **4** is a **not** a **prime** number. It has three factors 1, 2 and 4.

Exercise:

1. List the first five prime numbers.
2. List all the prime numbers between 10 and 30.
3. Which of these are prime numbers: 57, 58, 59, 61.
4. Which of these are prime numbers: 41, 43, 47, 49.
5. Which of these are prime numbers: 73, 79, 81, 89.
6. List all of the prime numbers between 30 and 60.
7. Kathryn said that prime numbers are always odd. Is she correct? Explain your answer.
8. John thinks of a prime number. He says it is a factor of 44. It is also odd. What is the number that John is thinking of?
9. Natalia thinks of a prime number. Her number is a factor of 42. What are the possible choices for Natalia's number?
10. Place each of the numbers 1 to 10 in the correct position in this Venn Diagram: