

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Mathematics

### Special Number Patterns: Even, Prime & Odd Numbers

**Even and Odd Numbers**

Even Numbers end in

0

2

4

6

8

Examples: 4, 56, 730

Odd Numbers end in

1

3

5

7

9

Examples: 9, 83, 641

**Prime Numbers**

A number which only has two factors - itself and 1.

The first ten prime numbers are:  
2 3 5 7 11 13 17 19 23 29

Example:  
What is the next prime number after 11?  
Check 12 - The factors of 12 are: 1 x 12, 2 x 6, 3 x 4, so 12 is not prime.  
Check 13 - The only factors of 13 are 1 x 13, so 13 is a prime number.

Select true or false for each statement.

1. Even numbers end in 1, 3, 5, 7, and 9.	TRUE	FALSE
2. 863 is an even number.	TRUE	FALSE
3. Prime numbers have only 2 factors.	TRUE	FALSE
4. Composite numbers have only 2 factors.	TRUE	FALSE
5. 997 is an odd number.	TRUE	FALSE

Write even or odd to tell about the number.

6. 41 = _____	9. 88 = _____
7. 372 = _____	10. 17 = _____
8. 6, 133 = _____	11. 1,000 = _____

List all the prime numbers between 50 and 60. (use commas to separate)

9. \_\_\_\_\_

Complete the pattern.

10. 20, 22, 24, \_\_\_\_\_, \_\_\_\_\_

11. 16, 63, 65, \_\_\_\_\_, \_\_\_\_\_

12. Use the numbers below to complete the Venn diagram.

17	25	9	7	2
11	136	21	40	

