Name: _____

Mathematics

Prime and Composite Numbers

A prime number is a number that has only two factors, itself and one.
Example: Factors of 5 = (1, 5) The number 5 is prime because it only has two factors.

A composite number is a number that has more than two factors.
Exampl: Factors of 6 = (1, 2, 3, 6) The number 6 is not prime it is a composite number because it has more than 2 factors.

Complete this exercise.

1) List the first 3 prime numbers.

2) List the prime numbers which are less than 10.

3) The prime numbers which come between 5 and 15.

4) The prime numbers which are factors of 15.

5) The prime numbers greater than 20 but less than 30.

Write the next two prime numbers in each sequence.

6) 2 3 5 _____ _____

7) 13 17 19 _____ _____

8) 31 37 41 _____ _____

9) Which of these numbers (2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12) are prime numbers?

10) Which of these numbers (21, 23, 25, 27, 29) are NOT prime numbers?

State whether the following numbers are prime or composite.

Number	Prime / Composite
16	
11	
37	
45	
61	
48	
29	