Unit 6 Prime Numbers

- 1. Numbers being multiplied are called factors (example: 3 and 4 are factors of 12).
- 2. A prime number is a number greater than 1 that has only 1 and itself as factors.

Prime numbers include

2, 3, 5, 7, 11 ,13, 17, 19, 23, etc.

3. Numbers that are not prime are composite numbers.

Composite numbers include

4, 6, 8, 9, 10, 12, 14, 15, 16, 18, etc.

4. Prime factors of a composite number are the prime numbers that can be multiplied to equal the number. The prime factors can be found by dividing the number by the lowest possible prime number that will divide evenly.

Number	8	20	30	
	(2)(4)	(2)(10)	(2)(15)	
	(2)(2)(2)	(2)(2)(5)	(2)(3)(5)	
Prime Factors	2	2 and 5	2, 3, and 5	

 All factors of a composite number are all the numbers that can be multiplied to equal the number. All the factors can be found by dividing the number by the lowest possible number that will divide evenly.

Number	8	39	
	(1)(8)	(1)(39)	
	(2)(4)	(3)(13)	
Factors	1, 2, 4, and 8	1, 3, 13, and 39	

6. The number one is neither prime or composite. It is called the unit number.

Unit 6 Practice Problems

1)	Which of these numbers is not a factor of 75?								
l å	A) 25 B	3) 15	C) 10	D) 5	Answer				
2)	Which of these numbers is a prime number?								
1 130	A) 14 B	3) 15	C) 16	D) 17	Answer				
3)	Which of these numbers is a composite number?								
	A) 13 B	3) 11	C) 9	D) 7	Answer				
4)	List all factors	of 48.	i di cali	5) List all the	e prime factors of 60.				
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