

January 13, 2015

- \* My Office Hours  
1:00 - 3:00 M T W  
Rm # 540
- \* Math Jam Tridays  
12:00 - 2:00  
Rm # 320

Jan 13-9:08 AM

Sets: a collection of things.

Members or Elements

$$S = \{ 2, 4, 6, \dots, 98 \}$$

$48 \in S$   
48 is an element of the set S.

$116 \notin S$   
116 is not an element of the set S.

Jan 13-9:26 AM

$N = \{ 1, 2, 3, \dots \}$   
↑  
the set of Natural Numbers

$= \{ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 \}$

Prime numbers: are divisible by themselves and one only

Composite number: is made up of products of prime numbers

$\frac{12}{12} = 1, \frac{12}{2} = 6, \frac{12}{3} = 4, \frac{12}{4} = 3,$   
 $\frac{12}{6} = 2, \frac{12}{1} = 12$

$12 = 2 \cdot 2 \cdot 3$   
 $6 = 2 \cdot 3$

$7 = 7 \cdot 1$

Jan 13-9:32 AM