

Name: _____

Date: _____

ERATOSTHENES' SIEVE

1									
				45					
									100

1. Fill in the chart with numbers from 1 to 100.
2. Cross out the number 1. It is not prime.
3. Leave the number 2. It is prime. Cross out all the multiples of 2: They are not prime.
4. Leave the number 3: It is prime. Cross out all the multiples of 3 (every third number).
5. Leave the number 5: It is prime. Cross out all the multiples of 5.
6. Leave the number 7: It is prime. Cross out all the multiples of 7.
7. Leave the number 11: It is prime. Cross out all the multiples of 11.
8. Your chart shows all the prime numbers through 100; all the rest have passed through Eratosthenes' Sieve.

Primes between 100 and 200:

101, 103, 107, 109, 113, 127, 131, 137, 139, 149

151, 157, 163, 167, 173, 179, 181, 191, 193, 197, 199