

## Diamond Primes

The diamond diagram below contains 36 numbers.

1. Place a small circle around each prime number.
2. Place a small square around each composite number.
3. Use line segments to make a path connecting each of the prime numbers in ascending order.
4. Use line segments to make a path connecting each of the composite numbers in ascending order.
5. How many prime numbers are there in the diagram? \_\_\_\_\_
6. How many composite numbers are there in the diagram? \_\_\_\_\_
7. How many times do the two paths cross? \_\_\_\_\_

