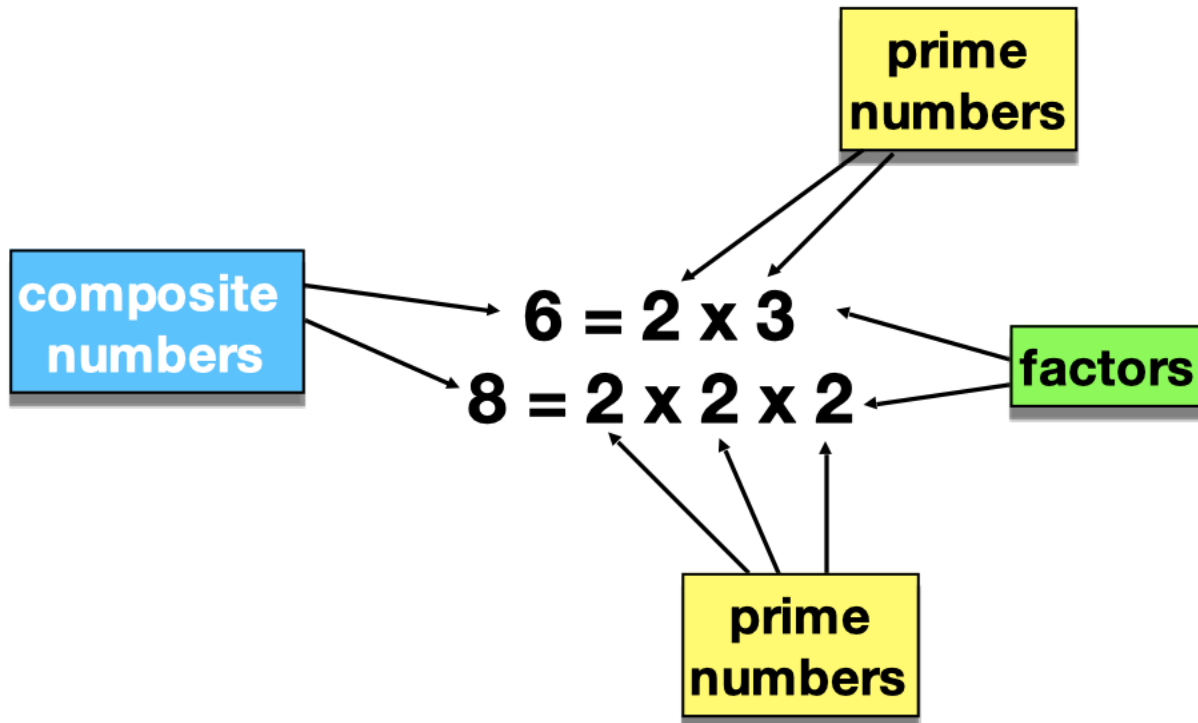




Prime Factors of an Integer

The prime factors of an integer are the prime numbers which, when multiplied together, result in the original integer.



In the Prime Factors kata, you write a routine that takes one argument – a positive, non-zero integer – and returns a list of the integer’s prime factors. If the integer has no prime factors, return an empty list. The data types of the argument and return value depend on the programming language you are using.

Use classic-style test-driven development with example-based microtests to perform the kata. Write the examples in the order given below.

Prime Factors Kata

humane workplaces – systems thinking – lean thinking – agility – craftsmanship – value – sustainability

Guide to the Prime Factors code kata

NeoPragma

Step	Prime factors of...	...are:
1	1	Empty list
2	2	2
3	3	3
4	4	2, 2
5	6	2,3
6	8	2, 2, 2
7	9	3, 3
8	18	2, 3, 3
9	25	5, 5
10	64	2, 2, 2, 2, 2, 2
11	74	2, 37