

1. How many seconds are in an hour? Use the interactive interpreter as a calculator and multiply the number of seconds in a minute (60) by the number of minutes in an hour (also 60).

sol. 60

2. Assign the result from the previous task (seconds in an hour) to a variable called `seconds_per_hour`.

3. How many seconds do you think there are in a day? Make use of the variables `seconds per hour` and `minutes per hour`.

4. Calculate seconds per day again, but this time save the result in a variable called `seconds_per_day`

5. Divide `seconds_per_day` by `seconds_per_hour`. Use floating-point (/) division.

6. Divide `seconds_per_day` by `seconds_per_hour`, using integer (//) division. Did this number agree with the floating-point value from the previous question, aside from the final .0?

7. Write a generator, `genPrimes`, that returns the sequence of prime numbers on successive calls to its `next()` method: 2, 3, 5, 7, 11, ...