Review Questions
Variables and Algorithms

Q1a. If you run a *10km* race in *42 minutes and 42 seconds*, what is your average speed in miles per hour.
Note: 1 mile = 1.61 km

Expected Answer:
`8.725995316159251`

Q1b. If you run a *10km* race in *42 minutes and 42 seconds*, what is your average speed in miles per hour rounded to *2 decimal places*
Note: 1 mile = 1.61 km

Expected Answer:
`8.73`

Q2. Your younger sister collected *1,273* marbles last year. On her 17 birthday, she decides to divide these marbles among *17* of her friends. If each friend receives an equal number of marbles, how many marbles would they each get? How many would you have left over?

Expected Answer:

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74
15
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Q3. Many important number series in Maths generate their next term by making use of the previous terms after defining their first 2 terms
For example, the Fibonacci series has the first 2 terms: 0, 1

Producing the Series:
`0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, …`

Where the 3rd term (1) is the sum of the first 2 (0 + 1)
And the 4th term is the sum of the 2nd and 3rd (1 + 1)
And so on...

And there are many other series defined in a similar manner, e.g. Lucas Series, beginning with 2 and 1

Producing the Series:
`2, 1, 3, 4, 7, 11, 18, 29, 47, 76, 123, …`

Your job is to write a program that takes the first 2 numbers of the sequence and generates the next 5