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Activity 1. Power of the CPUs

Task 1:

1. Write down the processor model and the system memory.

   AMD Ryzen 7 1700 Eight-Core 3.00 GHz

2. Find and take note of the average index of integer and float operations per unit of time.

   97.8

3. Write down the time it took to execute.

   167 ms

4. Approximate index of integer and float operation performed by the program.

   16332

Task 2:

1. Record your results. Extend the table with data from other computers to which you have access.

Ryzen 7 1700	167	97,8	16332
i7 8750h	237	109	25833
i5-10210U	270	102	27540
AMD A9-9420	459	55,4	25429
i7-8550U	325	94,1	30582,5
7-10710	708	100,5	71154
i5-7500HQ	289	89,5	25865,5
Ryzen 5 3550H	188	58,8	11054,4
I5-7500	248	107	26536

2. Do you think you could mix values from different CPUs in the same analytical study of the execution times of an algorithm?

   Yes because with the most execution times that you record the better is the result of the analysis of the algorithm that you are interested in.

Activity 2. Influence of the operating system

1. Which energy plan do you think is the most appropriate for making measurements?

   The High plan.

2. If you had to perform a very long experiment, could you use the computer to, for example, watch a Youtube video in the meantime?

   No, you should not because you will get wrong measures.