How to learn the concept of UART

(“Fishing-Pole” or “learning-by-Thinking” approach – so that you can hook your own “fish” next time)

Q. What does the term UART stand for?

A. Universal Asynchronous Receiver and Transmitter.

Q. Out of the four terms above, which one is the most difficult one?

A. Asynchronous.

Q. What do you mean “Asynchronous”?

A. Hard concept (since we seldom use this term in our daily life).

Q. Maybe a better question is what do you mean “Synchronous”?

A. A ball playing analogy – try to describe it with your own words.

Q. What is the major disadvantage of the Synchronous Communication?

A.

Q. Okay. I understand that “Synchronous” means that two communication parties share one common clock. Then, what do you mean “Asynchronous”?

A. A ball playing with two clocks at each side – try to describe this scenario with your own words.