

Third Task: Connecting Socks and Pigeons.

- 1) Ask what pigeons have to do with socks?
- 2) What are the analogues of pigeons in the drawer of socks problem?

Answer: the socks.

- 3) What are the analogues of the pigeonholes?

Answer: the colours of socks.

- 4) How about the three-footed monster. What was different in that case?

Answer: we wanted to know how soon three pigeons would have to be placed in a pigeonhole.

- 5) Think of other examples of pigeonholes.

For example, if a block of chocolate with fifteen pieces is shared between seven students, at least one student has to get three pieces of chocolate!