

Paper Airplane

Teams of at least 5 people (ideal 7)

First round : 10 sheets of paper per group

4 people to fold a plane (in a chain) like this (cf. model) :

- fold in 2 → 1 people
- fold the 2 upper corners, and fold it again → 1 people
- fold the 2 upper corners, fold the pit → 1 people
- fold the airplane in 2, make the wings → 1 people

1 people with a chronometer : will measure how many time is used to fold 10 planes

Step 1 : Fold the planes as fast as possible, stop the chronometer when the 10th is done.

Step 2 : Test the planes : how many reach the wall ?

Second round : 15 minutes

Adapt your group organization (if more than 5 people) to the plane constructions (does one step require more time (i.e. more people) than another ?

Step 1 : Plan how many planes you will fold in 15 minutes, and how many of them will work.

Step 2 : Start the timer, fold all the sheets of paper into planes (without counting them). If you are about to run out of paper, ask for more sheets.

Step 3 : Count and test the planes : how many planes did you fold ? How many of them reached the wall ? Did you reach your goal ?

Conclude

- About planification : did what you planned happened ?
- About organization : was your organization optimal ?