

The farthest paper aircraft flight



The farthest flight by a paper aircraft is 69.14 meters, achieved by Joe Ayooob and aircraft designer John M. Collins in USA on 26 February 2012. The plane was constructed from a single sheet of uncut A4 paper.

1. Build three different paper aircrafts using a sheet of A4 paper for each one.
There are different ideas online but you can get as creative as you wish.
<https://www.foldnfly.com/#/1-1-1-1-1-1-1-1-2>

2. Fill in the table below with the correct measurements:

	Aircraft Length	Tail width	Depth at the tail	Wing Perimeter
Plane 1				
Plane 2				
Plane 3				

3. Estimate: The furthest distance each paper aircraft will fly.

Plane 1

Plane 2

Plane 3

Choose Task 4 or Task 5

4. Fly each aircraft 3 times.

Measure and record the distances.

Draw a bar graph showing the three different distances of each paper aircraft. (You can use the squared paper in the next page)

(See fig. 1 as an example)

Metre (m)

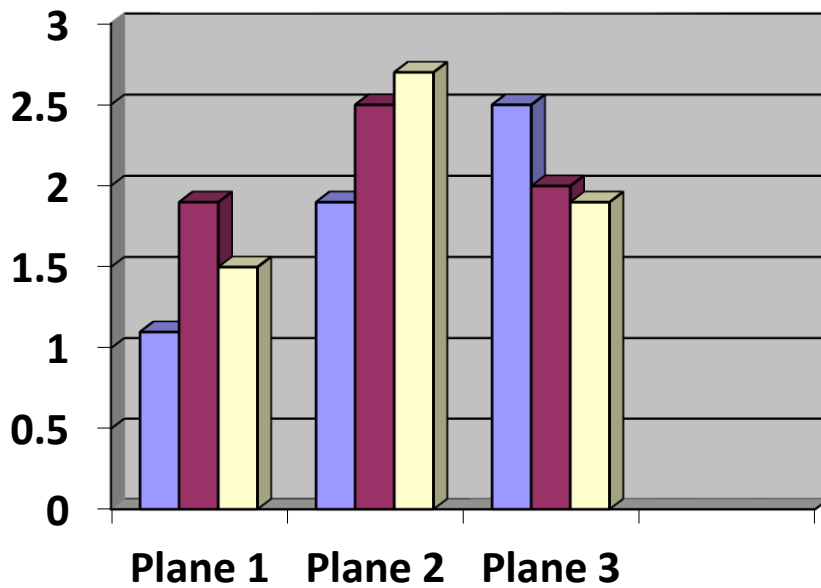
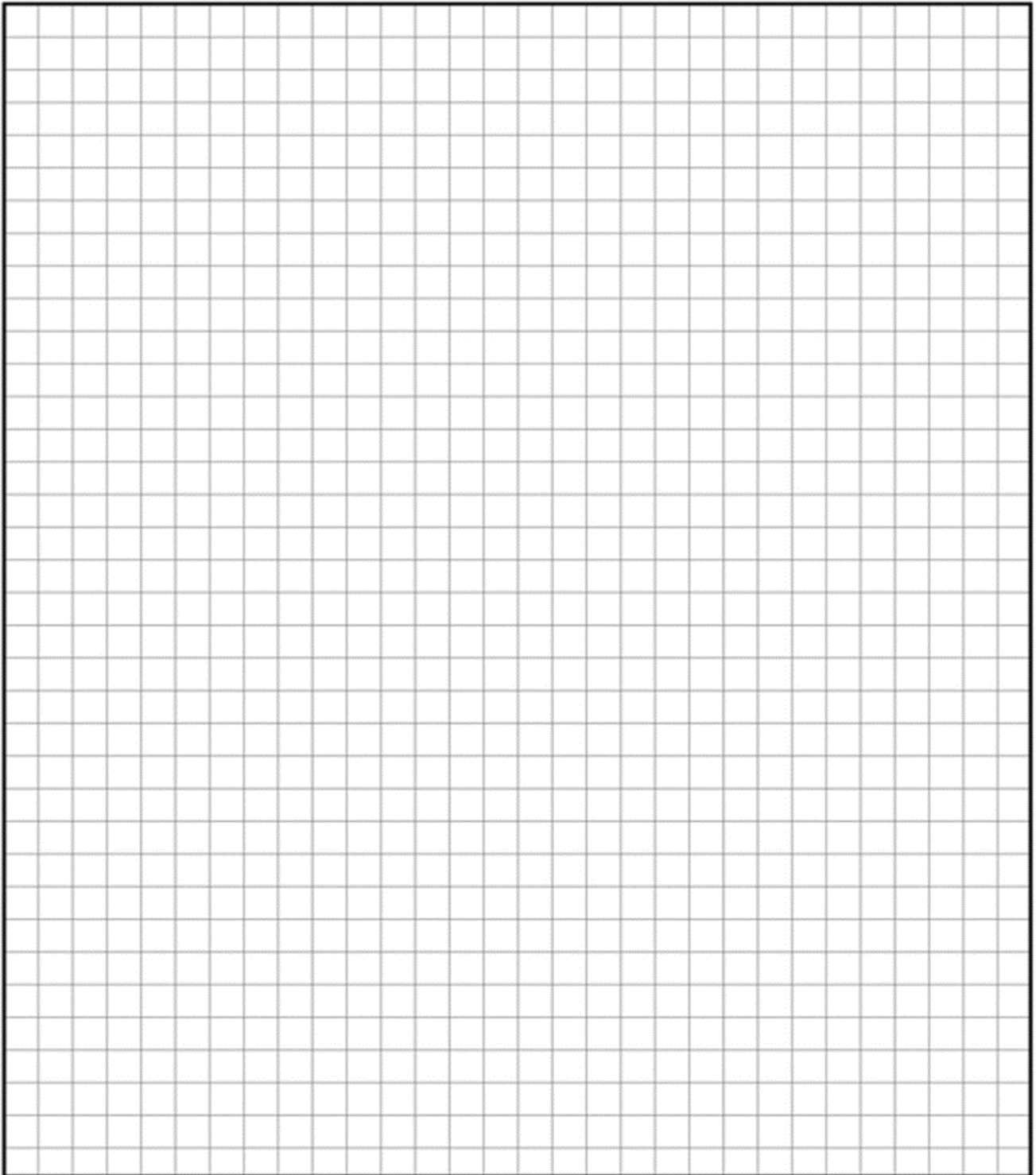


Figure 1

b. Compare the 3-paper aircrafts and their distances.

Write a few statements to describe their flights.

e.g. Plane 1 has the shortest distances.



5a. Fly each aircraft 4 times.
Measure and record the distances.

b. Calculate the average (mean) distance of each paper aircraft.

Paper aircraft 1.

Paper aircraft 2.

Paper aircraft 3.

c. Draw a bar graph showing the average distance of each
each paper aircraft.

You can use the squared area in the next page.

d. Write a few statements to interpret the results.

