

## "Baby" Sounding Rocket



Hideo Itokawa with "Baby".

## 1/3 Scale Paper Model

Baby, is the name given to the second generation of sounding rockets (after Pencil) Japan and was developed by the group Avionics and Supersonic Aerodynamics (AVSA) at the University of Tokyo, led by Eng. Hideo Itokawa.

The rocket Baby, was a two-stage rocket, weighing 10 kg, 8 cm in diameter and 1.2 m high. During the tests, it reached 6 km of altitude.

In the period from August to December 1955, several launches, adaptations and developments occurred, all reaching the mark of 6 km of altitude. Three versions of this rocket were created for specific missions:

Baby-S, this model used a smoke generator (Smoke), and was tracked visually.

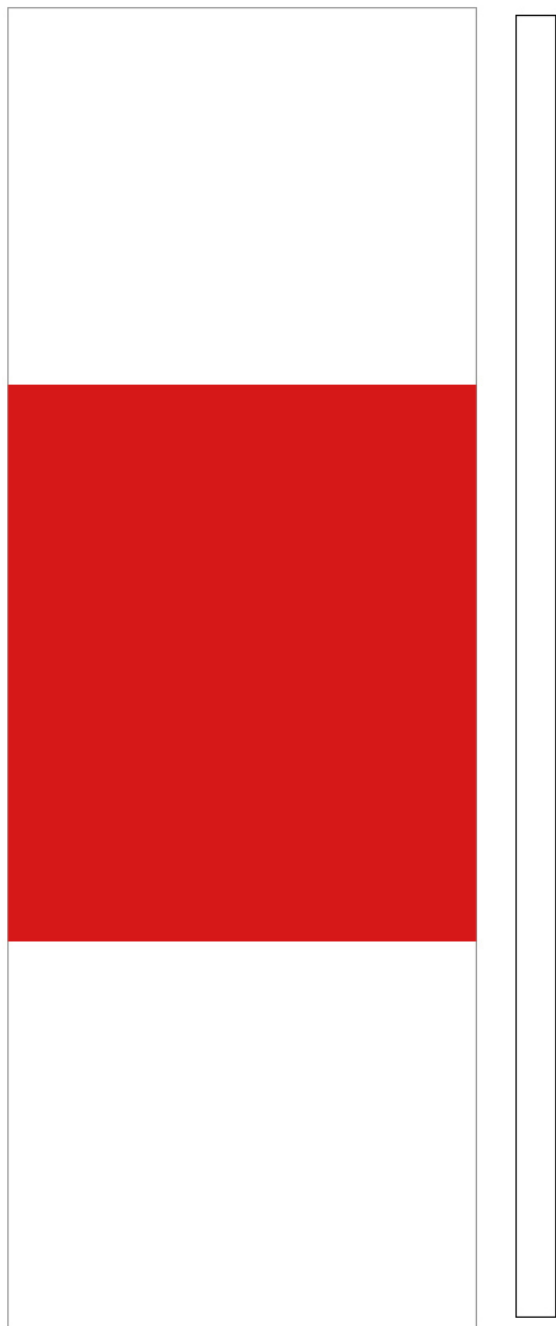
Baby-T, this model carried the first Telémetro Japanese,

Baby-R, this model carried a camera and a parachute to RECOVERY it.

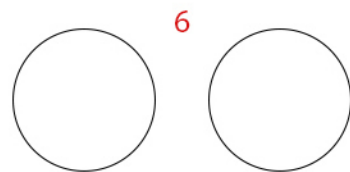
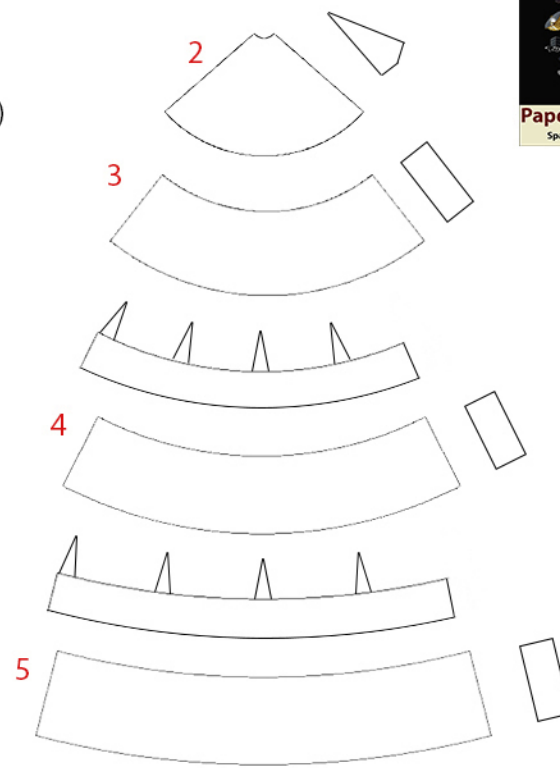
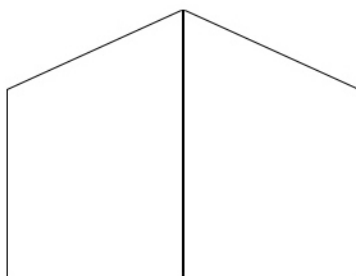
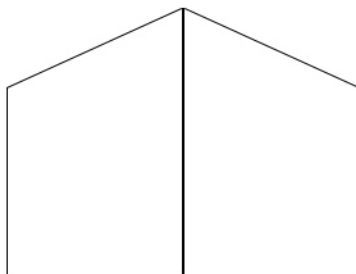
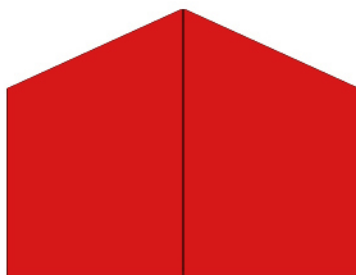
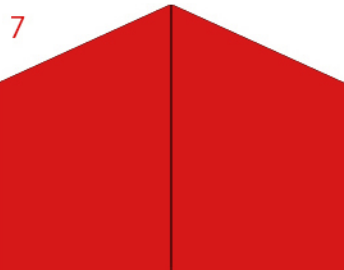


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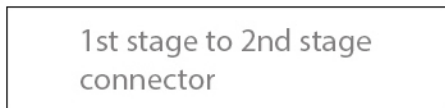
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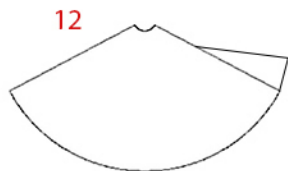
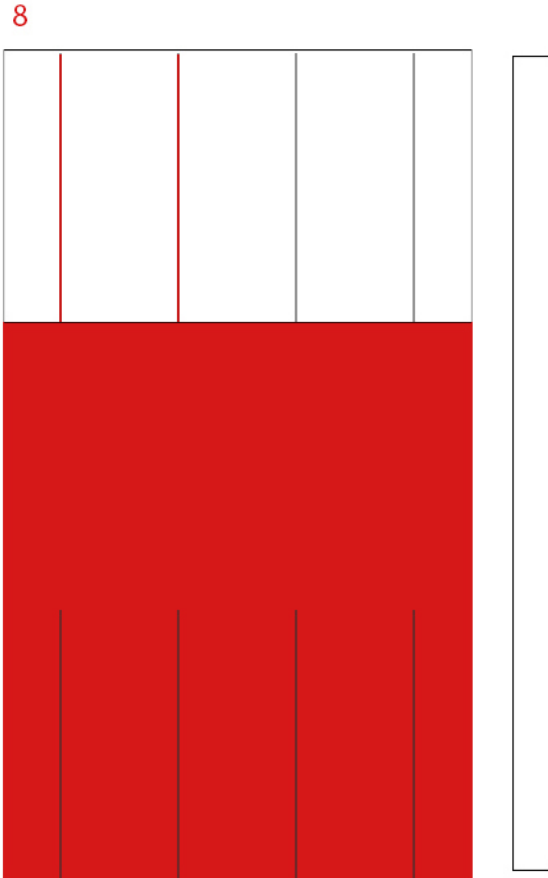
Glue these fins to the 4 lines on the UPPER (White) area of Part 8 - RED fins on the red lines.



Formers, glue to cardstock



# "Baby" Sounding Rocket



Color backside Black

Cut out light blue circle from 11. Roll 12 to a cone. Glue this to the BACKSIDE of 11 for embedded nozzle.

Glue these fins to the black lines on the bottom of part 8.

