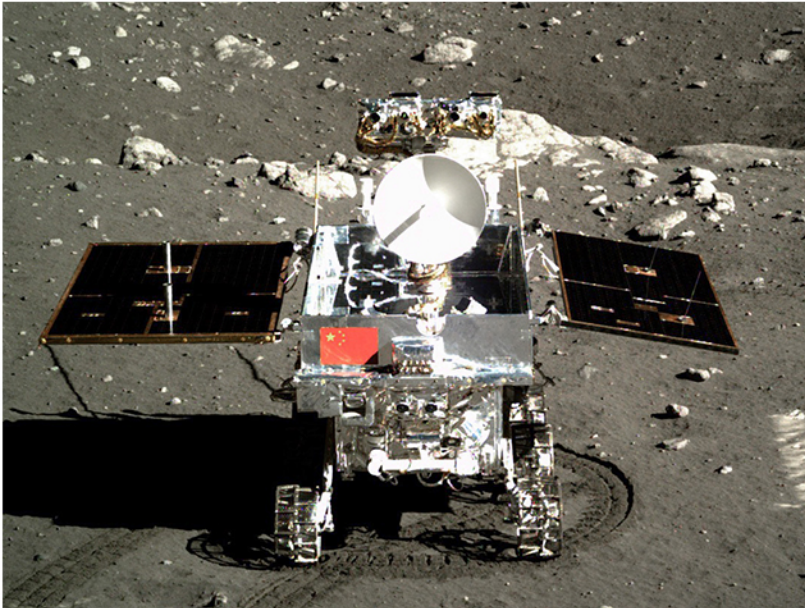


Yutu-1 (Jade Rabbit-1) rover



Yutu (Chinese: 玉兔; pinyin: Yùtù; literally: "Jade Rabbit") was a robotic lunar rover that formed part of the Chinese Chang'e 3 mission to the Moon. It was launched at 17:30 UTC on 1 December 2013, and reached the Moon's surface on 14 December 2013. The mission marks the first soft landing on the Moon since 1976 and the first rover to operate there since the Soviet Lunokhod 2 ceased operations on 11 May 1973.

The rover encountered operational difficulties toward the end of the second lunar day after surviving and recovering successfully from the first 14-day lunar night. It was unable to move after the end of the second lunar night, though it continued to gather useful information for some months afterward. In October 2015, Yutu set the record for the longest operational period for a rover on the Moon though most of its time was spent immobile. On August 3, 2016, Yutu ceased to operate after a total of 31 months, well beyond its original expected lifespan of three months.

The Yutu lunar rover was developed by Shanghai Aerospace System Engineering Institute (SASEI) and Beijing Institute of Spacecraft System Engineering (BISSE). The development of the six-wheeled rover began in 2002 and was completed in May 2010. The rover deployed from the lander and explored the lunar surface independently. The rover's name was selected in an online poll, and is a reference to the pet rabbit of Chang'e, the goddess of the Moon in Chinese mythology.

The official mission objective was to achieve China's first soft-landing and roving exploration on the Moon, as well as to demonstrate and develop key technologies for future missions.

Scientific results

The rover's ground penetrating radar found evidence of at least nine distinct rock layers, indicating that the area had surprisingly complex geological processes and is compositionally distinct from the Apollo and Luna landing sites.

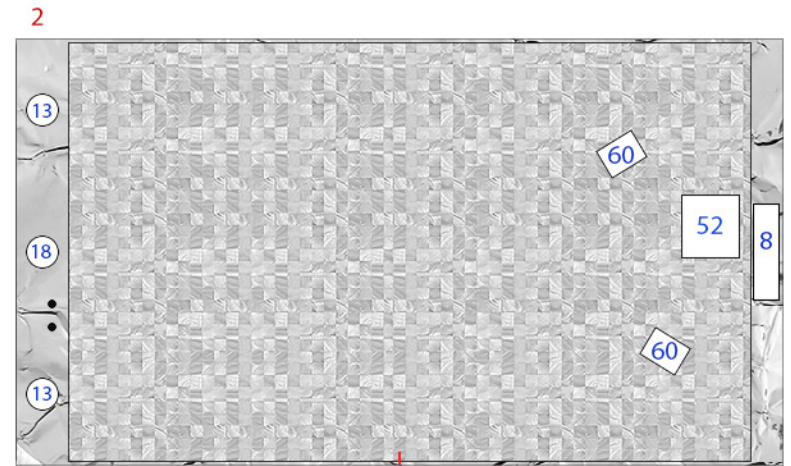
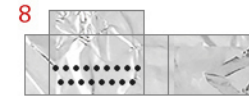
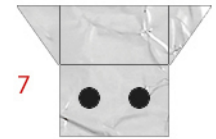
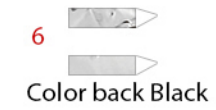
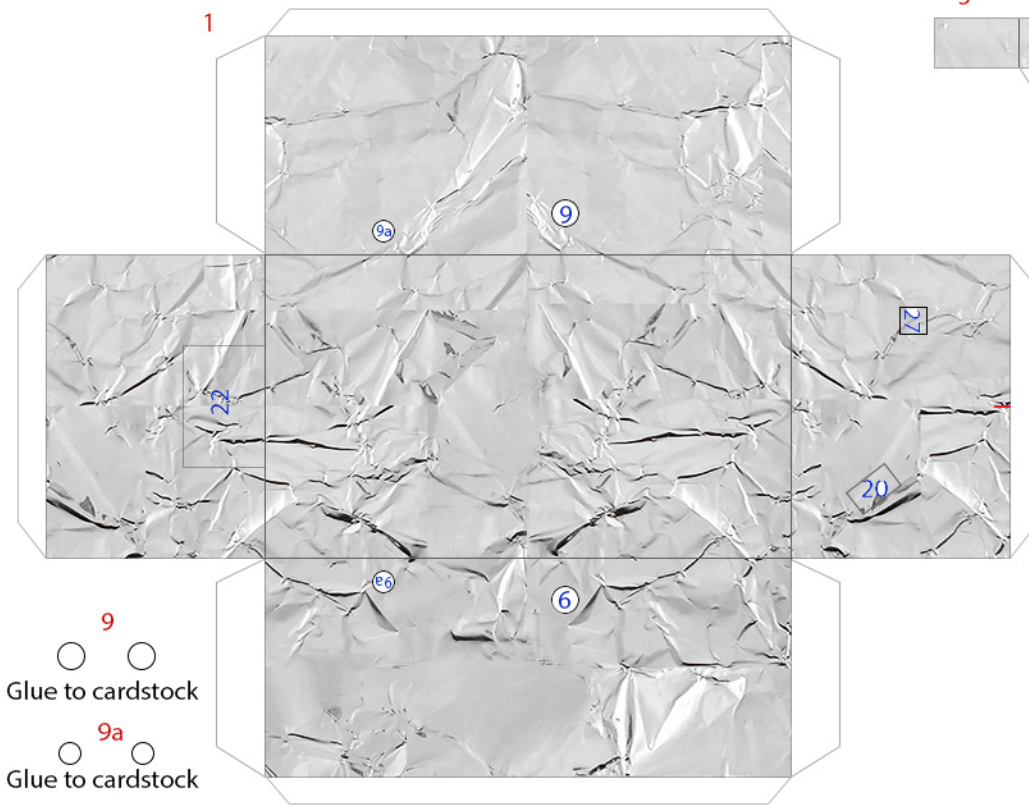
During 15 April 2014, the Chang'e 3 mission, including its Yutu rover, witnessed a total eclipse of the Sun by the Earth from surface of the Moon.

Zach's

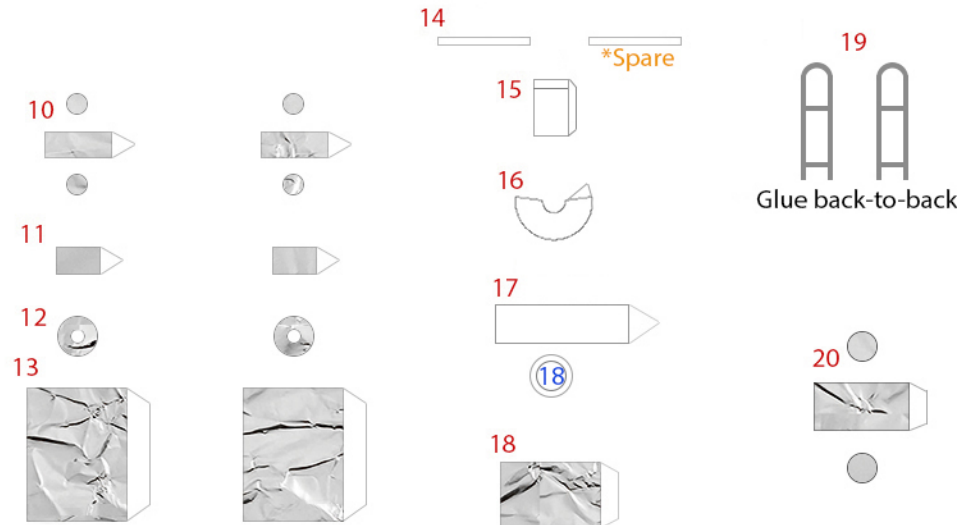
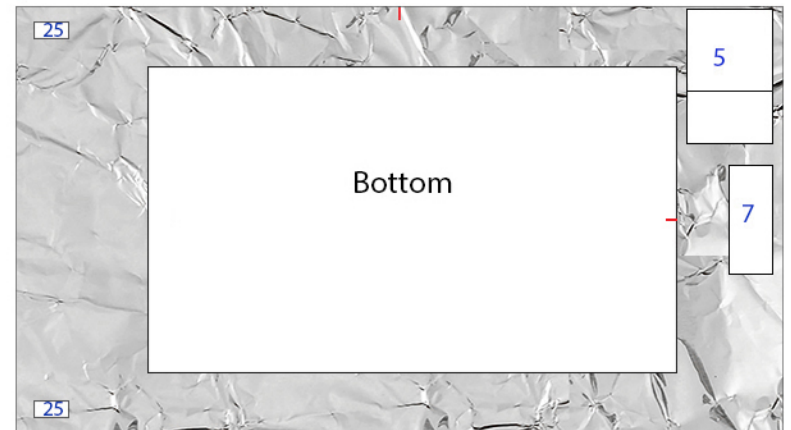


PaperSat Designs
Spacecraft Paper Models

Yutu-1 (Jade Rabbit-1) rover



Glue both parts to two (2) layers of cardstock, then back-to-back for proper thickness, match the two red markers

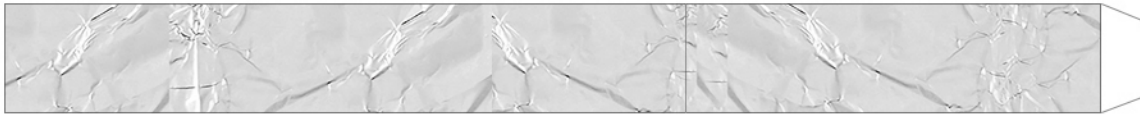


Yutu-1 (Jade Rabbit-1) rover

4a

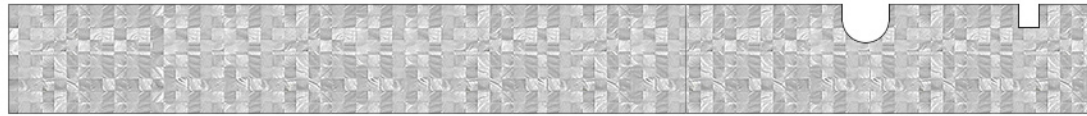


4a

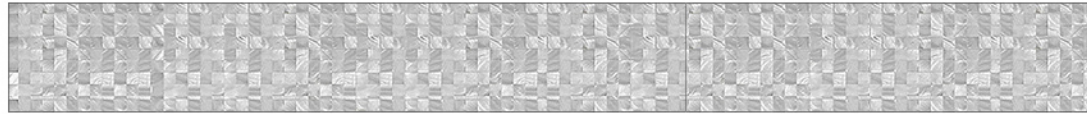


Outside - glue to two strips together to form a rectangle

4b

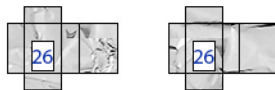


4b



Inside - glue inside the rectangle from above

25



26



Poke very small holes on the black dots.

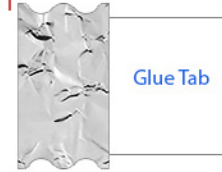
24a



24



31



30



32



Glue back-to-back

33



34

Glue back-to-back

34



35

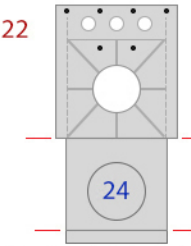


36



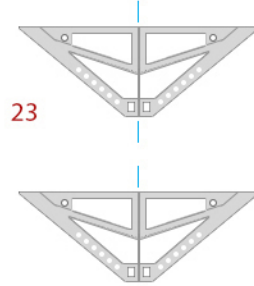
Glue these two pairs back-to-back

22



Color backside light grey
Valley fold at the RED lines

23



Fold back-to-back at the blue lines

27



27

28



Glue Tab



29



Glue Tab

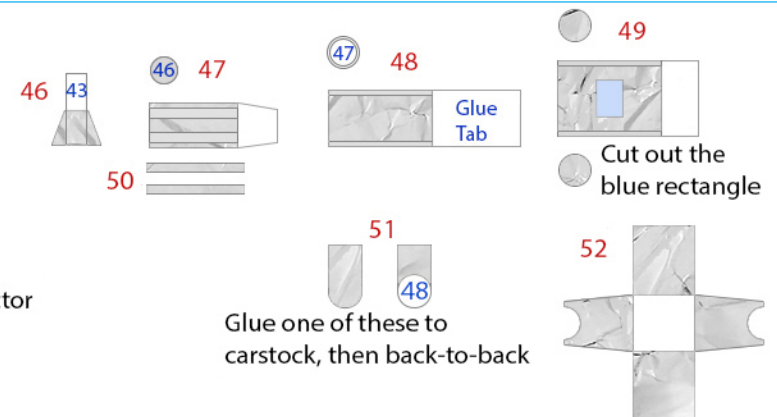
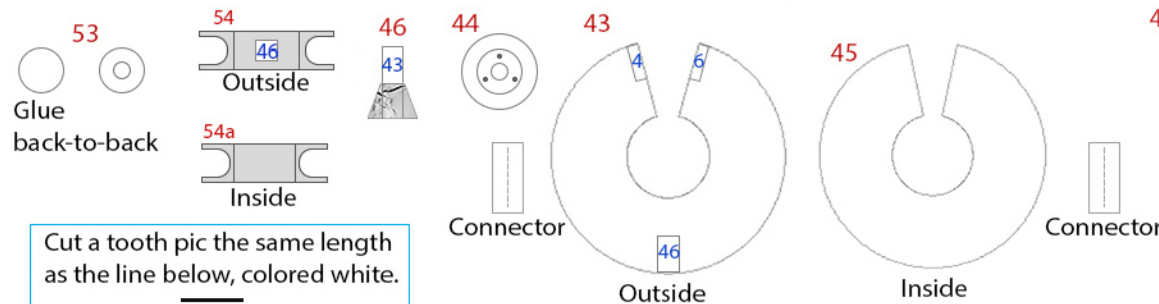
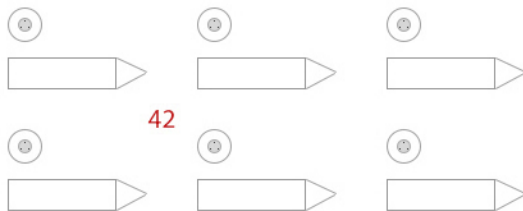
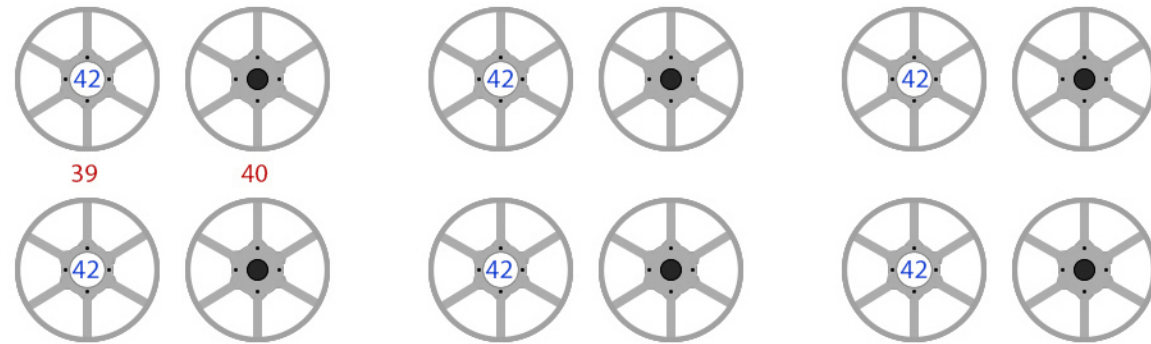
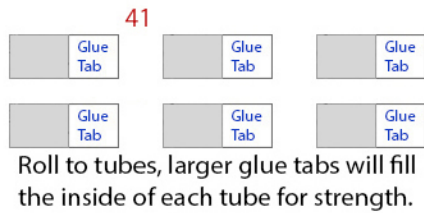
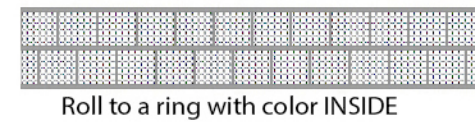
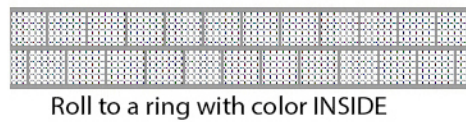
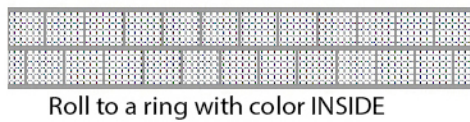
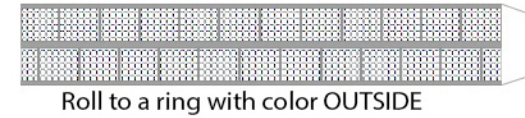
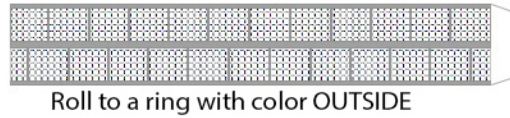
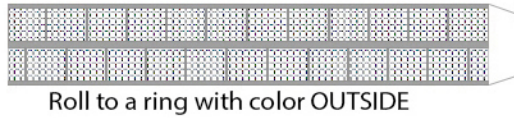
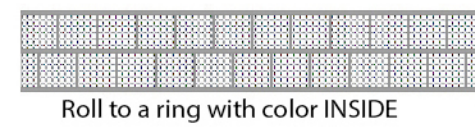
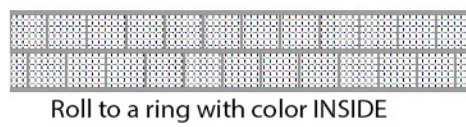
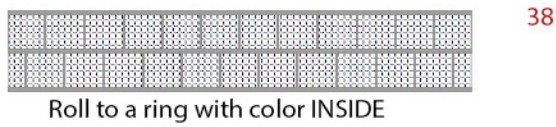
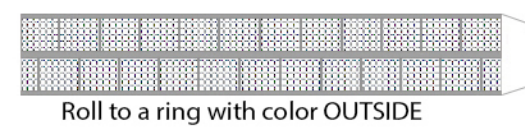
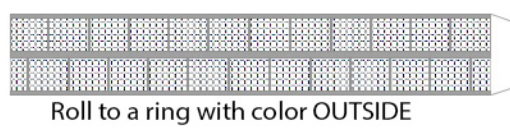
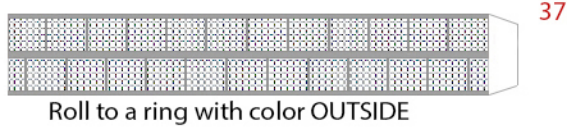
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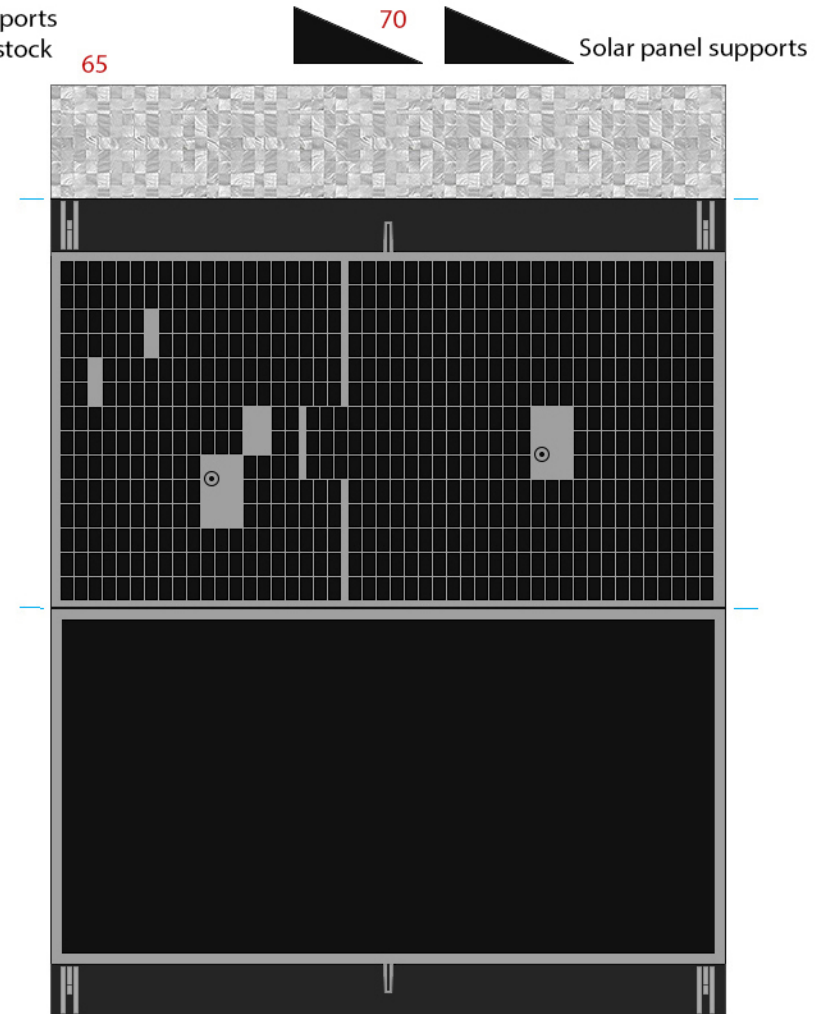
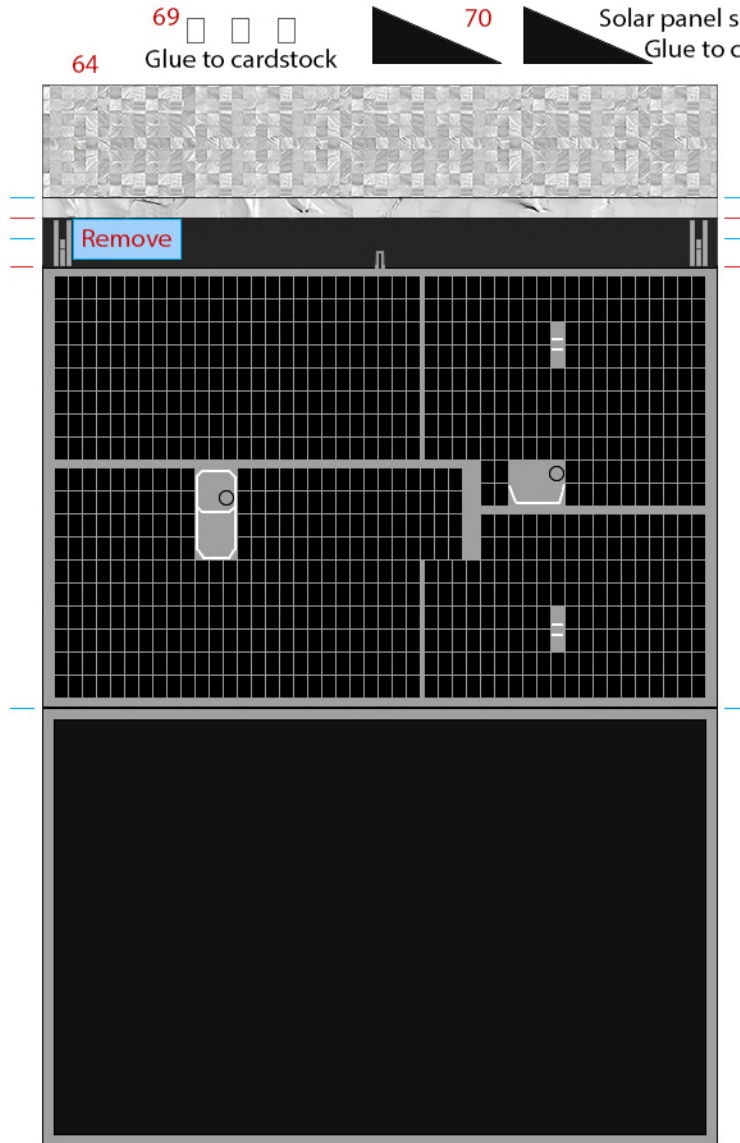
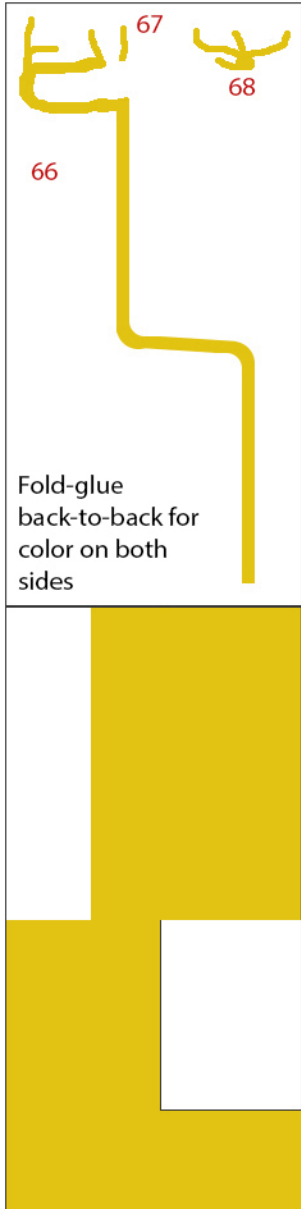
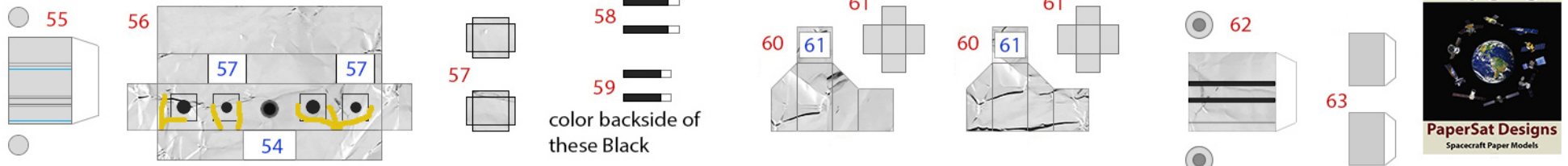
Glue Tab



Yutu-1 (Jade Rabbit-1) rover



Yutu-1 (Jade Rabbit-1) rover



Cut plastic broom straws the same length as the line below, colored light grey or silver - make two.

Cut 2 plastic broom straws the same length as the line below, colored light grey or silver.