

Beresheet Lunar lander



On Feb. 21, 2019, Israel's Beresheet lunar lander took off on a historic moon mission with the help of SpaceX. Spacell and the state-owned Israel Aerospace Industries launched the unmanned spacecraft from Florida's Cape Canaveral Air Force Station at around 9 p.m. using a SpaceX Falcon rocket.

It's a milestone mission for the country's space agency as only the U.S., Russia and China have previously managed soft landings on the moon.

Spacell's original Beresheet lander got incredibly close to landing on the lunar surface on Thursday, April 11th, but it ultimately failed just moments before touchdown. The lander, which was in orbit around the Moon, ignited its onboard engine to slow itself down and descend to the lunar surface. As its engine burned, some kind of technical glitch occurred, prompting the vehicle's engine to shut off. The lander restarted the engine fairly quickly, but it was too late for a successful landing. Beresheet came in too fast, and it's assumed that the vehicle slammed into the lunar surface.

If Beresheet had landed, it would have been a major historical moment for both Israel and the space industry. Israel would have become the fourth country to land a vehicle intact on the lunar surface.

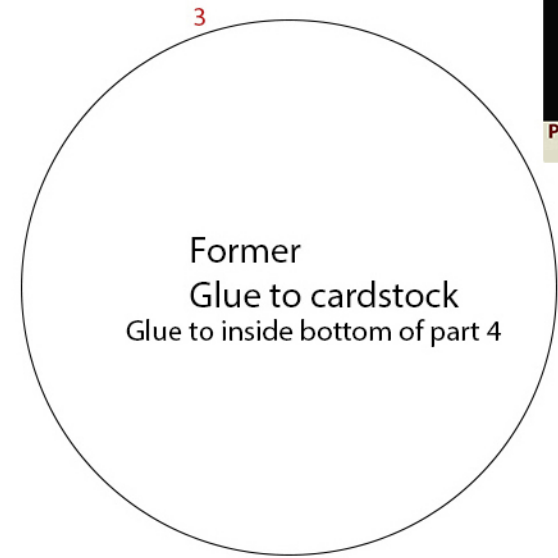
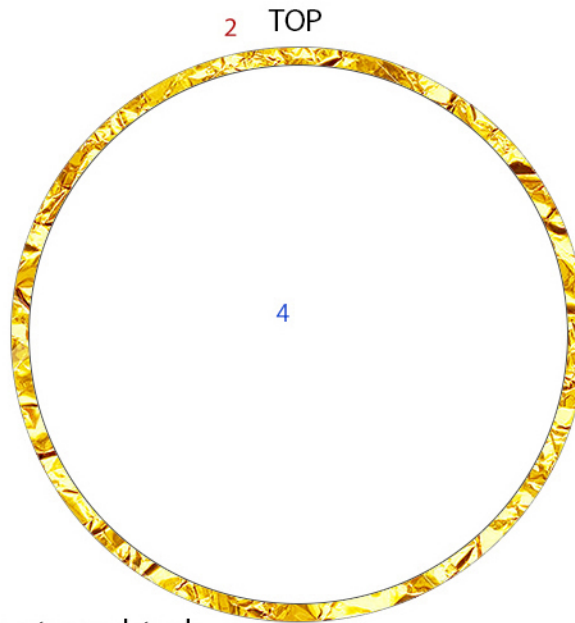
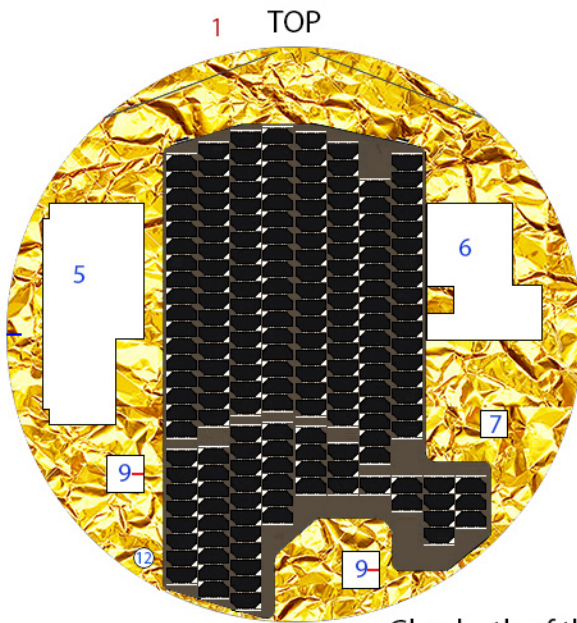
The landing would also have marked the first time a vehicle made with mostly private funding had touched down on the lunar surface. Most of the funding for Beresheet's mission came from private investors, whereas all other lunar landers have been created and overseen by governments of superpowers.

Still, the Spacell team came quite far and broke a few records along the way. Beresheet became the first privately funded vehicle to enter lunar orbit, and Israel is now the seventh country to put an object around the Moon.

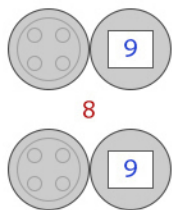
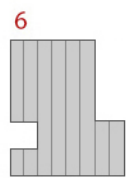
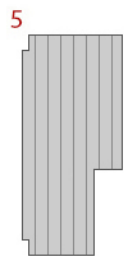
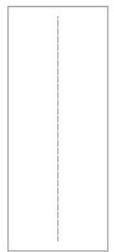
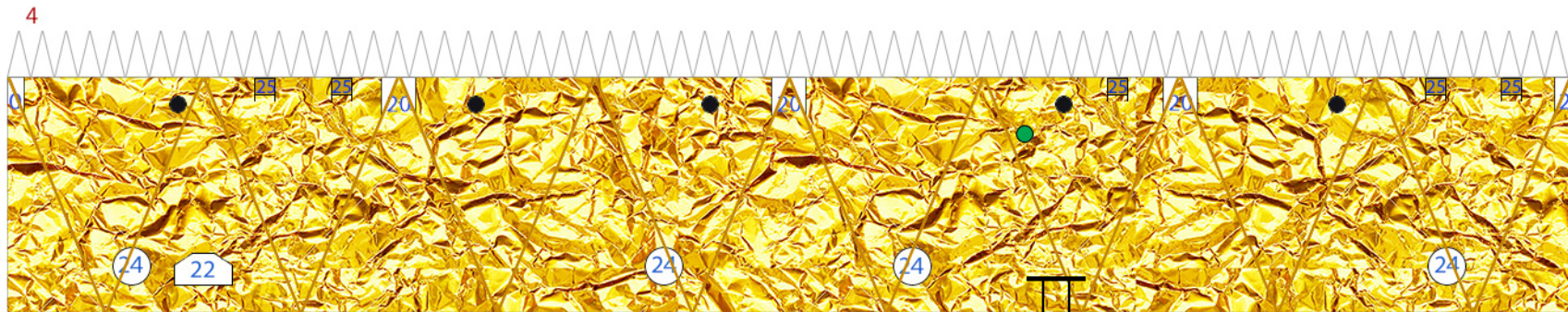
Benjamin Netanyahu, Israel's prime minister, was also in attendance for the landing and hinted that Spacell would keep going. "If at first you don't succeed, you try again," he said. Now it's clear that Spacell will try again, but the team won't say how long it will take or what we can expect from Beresheet 2.0 (Beresheet Shtayim).



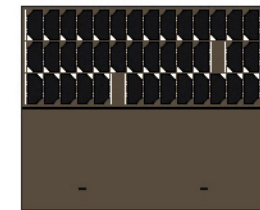
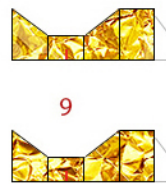
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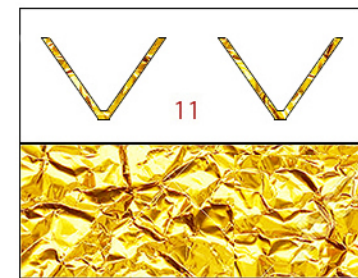
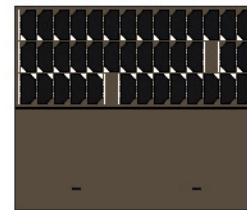
Glue both of these to cardstock



Fold-glue each back-to-back



Fold-glue back-to-back

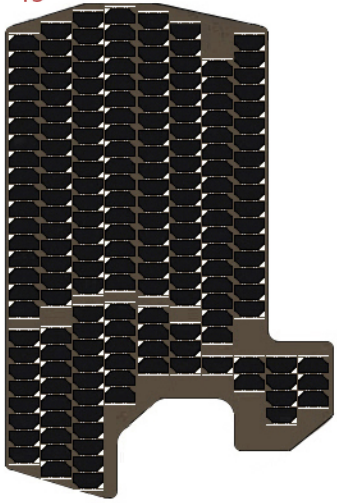


Fold-glue back-to-back then cut out the two "V" brackets

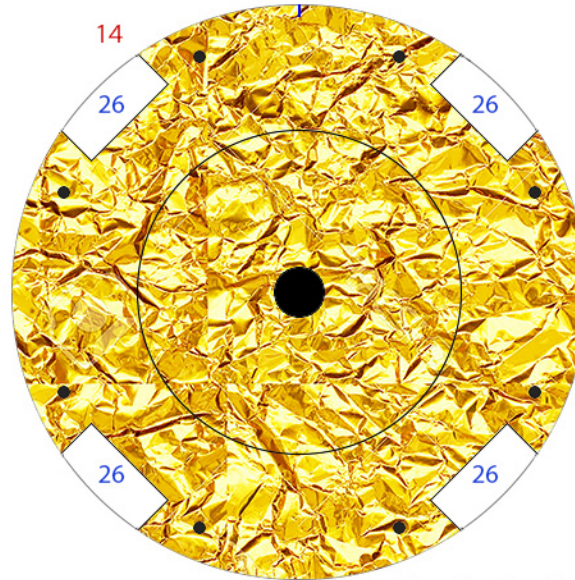


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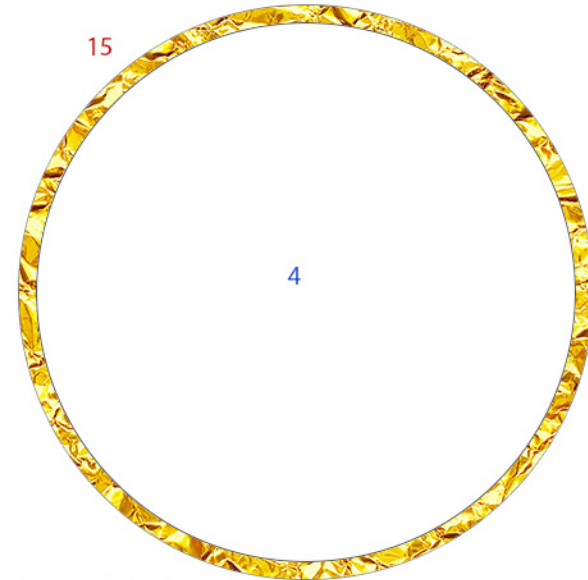
13



BOTTOM



BOTTOM



Glue both of these to cardstock

18



19



Color back of 18 and 19
light grey or silver



20



16

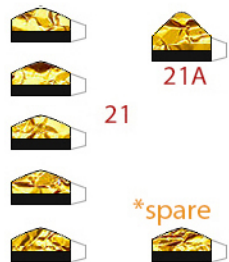


Outside

17



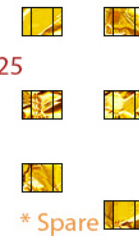
Inside



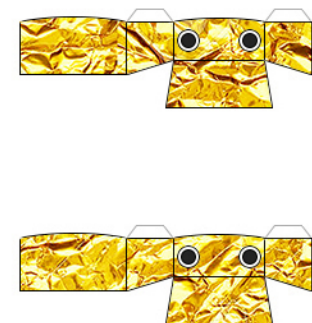
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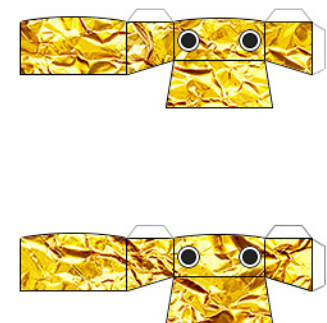
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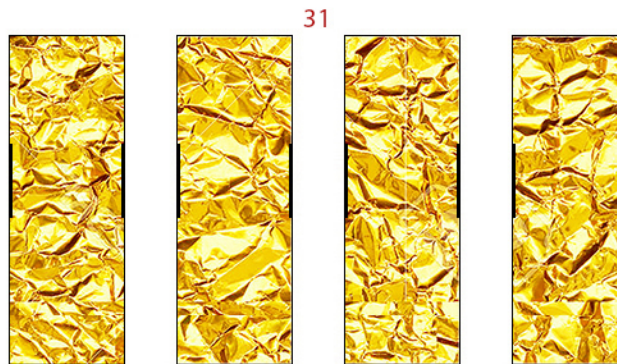
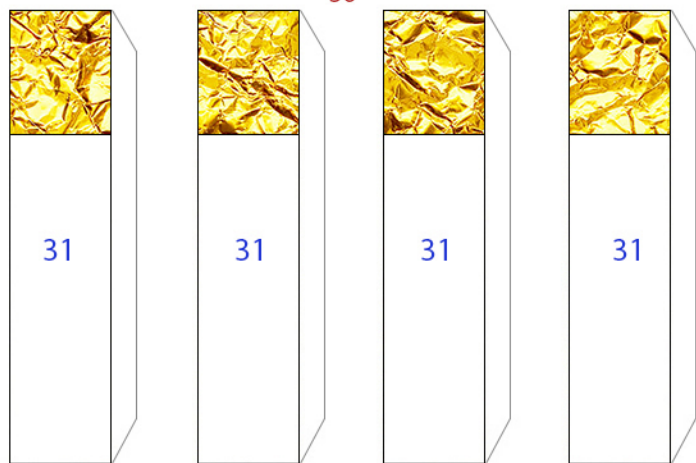
* Spare



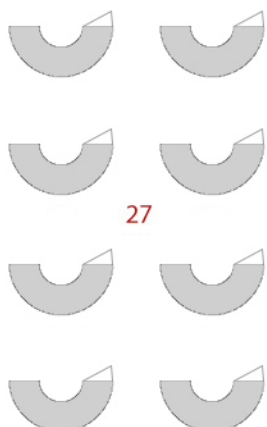
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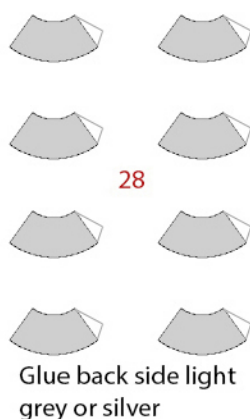
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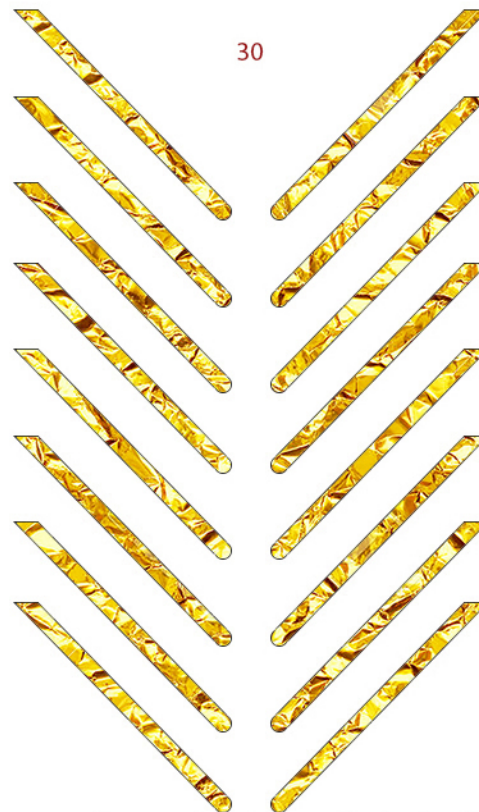
Fold-glue
back-to-back



Glue back side light
grey or silver



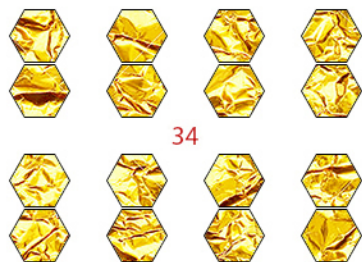
Glue back side light
grey or silver



Glue one side to cardstock, then glue both sides
back-to-back. Color edges the same color. For realistic
look, cut 8 tooth pics the same length and angles.



Fold-glue back-to-back,
then cut out the 4 parts.



Score each pair to fold
back-to-back around
parts 30, see instructions.

