James Webb Space Telescope
Fun Facts Q&A Folding Puzzler

A million miles from Earth, the James Webb Space Telescope will soar through a frigid void, peering back to the time when new stars and developing galaxies first began to illuminate the universe. Scanning the universe for the invisible radiation called infrared, Webb will have to be larger than any space telescope ever placed in orbit, and function at temperatures just tens of degrees above absolute zero - the temperature at which even atoms are frozen into immobility.

With its infrared vision, Webb will be able to see light from the early universe that has been stretched as it travels across the expanding fabric of space. It will be able to see through clouds of dust to the warm, infrared-emitting objects hidden within. Our view of the universe will expand as Webb opens up previously unexplored territory to our gaze.

The James Webb Space Telescope will be the world’s premier space science observatory. Webb will solve mysteries of our solar system, look beyond to distant worlds around other stars, and probe the mysterious structures and origins of our universe and our place in it. Webb is an international project led by NASA with its partners, the European Space Agency (ESA) and the Canadian Space Agency (CSA).

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1) Following the illustration below, fold the corners to meet the opposite sides of the paper, and use scissors to cut off the instruction sheet, creating a square sheet with diagonal creases.

2) Fold the four corners of the square into the center, forming the shape shown. Turn over the resulting smaller square, and fold the four corners in a second time.

3) Fold all four corners so that the points meet in the middle, and then work fingers into the pockets of paper in each of the four corners.