

Building with Triangles!

You'll need a deck of cards, and a surface that's not slippery.

What shape are the supports that hold up the Shooting Star? (Triangles) Triangles are very sturdy! Build your own structure using triangles!



1. You try it. Start by making a "tent" with two cards. Be patient! Do you see the triangle?



2. Now make another tent next to the first. It will probably take several tries. Keep trying!



3. Carefully put another card across your two tents, like a "roof."



4. Now you have three triangles! Notice that this structure is more stable than the two tents by themselves.



5. To build higher, make a bigger base (more tents on the bottom). Here are three tents and two roof cards. How many triangles now?



6. Sometimes you need a "bridge" that's bigger than a card. Cut a shape out of an empty cereal box.



7. What shape is our bridge? What shapes can you make?



8. We built another row! Use your imagination and see what YOU can build!