SATURDAY ACTIVITIES



Building shapes

Learn how some shapes are stronger than others, and are harder to knock down.

118 Build a tall tower

I. Use short drinking straws and marshmallows to build two squares. 2. Use four more short straws to join the squares, making a cube. 3. Trim six longer straws and add one straw to each square to make a diagonal.





2. Add four longer

straws and one

marshmallow to

make a pyramid.

4. Make more squares. Join them onto the cube to make a tower, adding diagonals as you go. Place a cardboard platform on top and see if the tower can support a toy.





 Build a square using short straws and four marshmallows.



3. Test the strength of the pyramid by pushing on its tip. Can you lean a book against the pyramid?

A pyramid is strong because it is good at spreading out weight. If you push on the tip, or lean a book against the side, the weight will spread through the straws and be supported.



The tower is strong because each side is supported by the sides around it, and the

diagonals stop the sides from twisting out of shape. The tower can support a toy because