

Name:

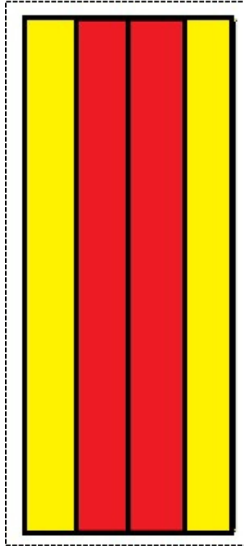
Date:

E: Construction - Strongest shape

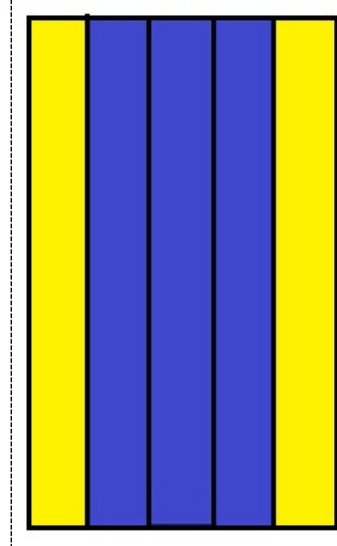
All the figures are to be cut from this sheet only.

Q1 Cut the figures alongside. Fold

along the black lines and paste the two yellow edges together. You have two pillars. Check which one is more stable by keeping some books on these pillars.



(a)



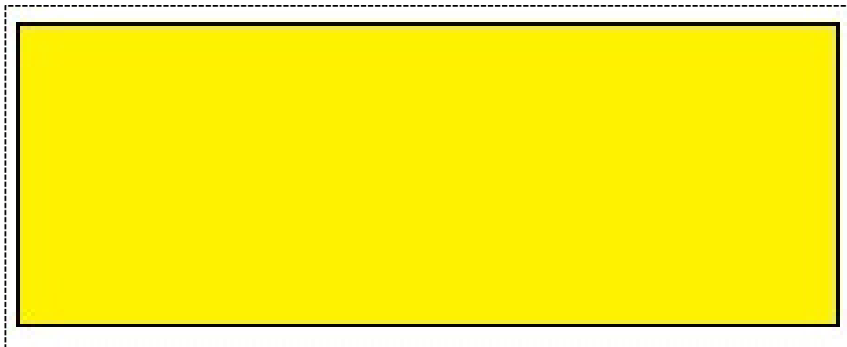
(b)

Q2 Look at the bottoms of the pillars of Q1. What is the shape of the bottoms of these pillars?

Pillar _____
a _____

Pillar

Q3 Cut the below rectangle and make a pillar whose bottom is a circle.



Answer Key: Q1 - pillar a is more stable than pillar b, Q2 - Pillar a - triangle, Pillar b - square, Q3 - cylindrical pillar