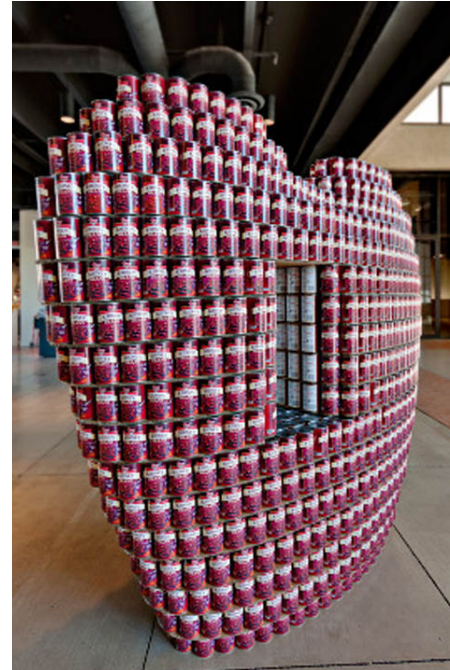


Have a heart



In September 2010, Tucson, Arizona held its first ever Canstruction[®] competition. Teams used cans of food to build some incredible creations. At the end of the competition the food was donated to a local food bank to help feed Tucson's most needy people. Since its inception in 1992, Canstruction[®], Inc has had events in over 200 cities worldwide and has raised more than 21 million pounds of food for the needy.

Above is a picture of an exhibit called "Have a heart" which was built by a team¹ of architects and construction professionals.

1. Make a gut guess as to how many cans make up the structure. My guess: _____
2. Watch the building time-lapse video at Yummymath.com to get a good sense of how this exhibit was built and whether it is hollow or solid. Then try to make some reasonable estimates about how many cans of kidney beans were used to build it. Show how you found your solution.

¹Have-a-Heart Team = Rob Paulus Architects, Epstein Construction, Robinette Architects, Avila Concrete, and Tom Powers Architects