

Any ideas for a new TV show called “How Do We Know?” (www.FrankTV.net)

Scientists have answers for some of the most baffling questions about our world, but the more fascinating follow-up question is **how do you know?** Turns out, questions that once seemed impossible to answer have elegant solutions – sometimes solvable using just household items. Believe it or not, you can measure the speed of sound -- with a stop watch! Or, compute the size of the Earth – by planting sticks in the ground! NASA says the Earth is about 4 times bigger than the Moon, however don't take their word for it, you can verify it yourself.

Our show's host leads the adventure by uncovering how people tackled hopelessly enormous questions. Sometimes, solutions come from a flash of genius, and sometimes answers come unexpectedly, while solving unrelated mysteries... like how do you know what's at the center of the Earth? Scientists have no way to reach it. The deepest tunnel is six miles, but the core is ~4,000 miles down: It's easier to probe Pluto - which is 2.66-billion- miles away. So, how do you know there is molten rock there? Stay tuned!

Stray kitten- looking for a good home. Calico ~ 4 months old. “Trained”

Exam 1 Results

Average: 74.2 / 100

Std. Dev.: 16

Max: 95

Suggested Grades:

A: 90 – 100

B: 74 – 89

C: 58 – 73

D: 42 - 57

