Let’s Play Some Cards

Zach and Austin had a deck of five playing cards: a six, a seven, an eight, a nine, and a ten. They shuffled the cards and placed them face down on a table. If they were to select four cards, one at a time, returning each card to the deck and reshuffling the deck after each pick, which of these would they have a better chance of drawing: four eights or a four card straight (four cards in order but not drawn in any specific order)?

Make sure you include the answer and an explanation as to how you determined the correct response. To receive credit, you must explain what you did, why you did it, and include any mathematical calculations used to determine the answer.

There are two meteor showers this month! The Taurids peaks on November 3rd (lasts until the 11th). The Leonid meteor shower peaks on November 17th. Good luck and keep looking up!

Have fun – Dr. Fraccaro