Solution to September Cuddigan Law "Game Zone" Brain Teaser:

How many triangles?

Top Half of Picture , Total $=21$
Small Triangles $=6$, Medium Triangles $=9$, Large Triangles $=3$, Extra Large Triangles $=2$, Big Triangle $=$ 1

Bottom Half of Picture , Total $=21$
Small Triangles $=6$, Medium Triangles $=9$, Large Triangles $=3$, Extra Large Triangles $=2$, Big Triangle $=$ 1

Total $=21+21=42$

