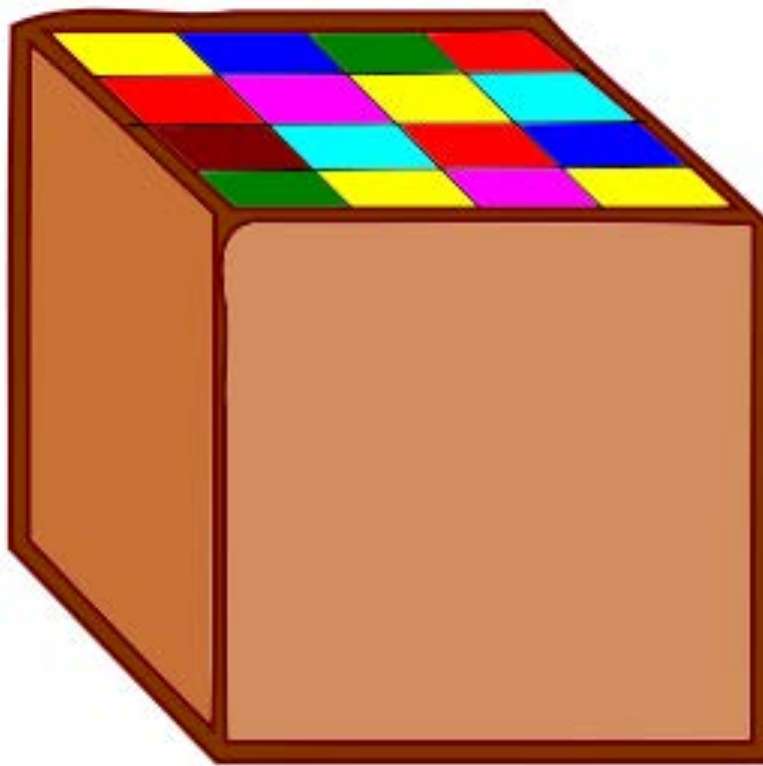


# Puzzle of the Week

## *Boxed Blocks*

**THE CHALLENGE:** There is a wooden box, without a lid, holding a  $4 \times 4 \times 4$  collection of 64 blocks. How many of the blocks touch some part of the box?



**EXPLORATION:** What happens for a  $5 \times 5 \times 5$  collection of 125 blocks in a bigger box? What about other sizes of boxes? How do these answers change if the boxes have a lid that touches the top row of blocks?

