Possible Solution

Trey and Tate both measured a new pencil with their color tiles. Trey said it was about 8 color tiles in length. Tate said it was only 7 color tiles. Who was correct and why?

Trey was correct. The end of the pencil falls more than half-way along the 8th color tile, so the 8th color tile is counted. The pencil is about 8 color tiles long.