

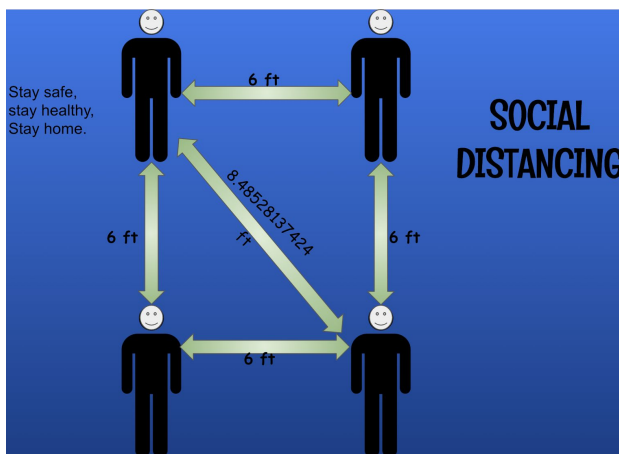
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Subject: 6th grader with some feedback

Hello, my name is Cruz Foster, I'm a 6th grader at King Middle School in Berkeley. Thanks for all you are doing to manage the COVID-19 crisis. Two weeks ago, my teacher, Ms. Kretschmar sent us a photograph of a sign that was created by the California Health and Human Services. I noticed something that was not correct, and wanted to give you some feedback. Here's the sign for your reference: (the annotations are mine)

	<p>If line ad=6ft, then lines bd, ab, ca, and cd all equal $\sqrt{18}$. However, $\sqrt{18}$ is less than 6. It's actually 4 point something, so those people are way too close. If the people on the corners were actually 6ft away from the people adjacent to them, they'd be about 8.5 feet away from the people across from them. This explanation uses the pythagorean theorem, which states that $a^2 + b^2 = c^2$. So, $c=6$, and $6^2=36$. So, a^2 should be 18, but $\sqrt{18}$ is actually shorter than 6 ft.</p>
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Here is a redesign of your poster, even though I know it's probably too late to fix them. But perhaps you could share with your staff in the spirit of teaching and learning!



Sincerely, Cruz Foster