Access the new scooter applet by scanning the QR code or following the link: <u>https://www.geogebra.org/m/jtvdrvtx</u>



Last episode, Haleemah and ET came up with the general equation

L = 3v + 4

where v is Hector's velocity in m/sec and L is his end location.

 Let's say two friends are talking to each other about the two equations L = 3v +4 and L = 3(-v) + 4.



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MathTalk.org Learning through Dialogue a. Explain which statement you agree with and why.

2. a. Test both equations with the values of **v** = **5** and **v** = **-4/3** in the applet. What do you notice?

b. Use your observations from part a) to explain why L = 3v + 4 is *different* from L = 3(-v)+4.

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