



FIRST LEGO LEAGUE - Ontario

Questions	
Questioning 1 Math	How many rotations would you need for a $\frac{1}{2}$ turn and a $\frac{3}{4}$ turn?
Question 2 Math	Get the actual value of π from your teacher. Comment on how close you were, and why you may have been a bit off.
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Question 3 Math	If the width of your vehicle was larger, would this have changed your value for π ? Explain.
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<p>Question 4 Math</p>	<p>One of the numbers (we're not telling which one) we have already recorded is the circumference of your robots wheels. Rearrange the equation $\pi = C/D$ to figure out the <i>diameter</i> of your robots wheels.</p>
<p>Question 5 Robotics/Math *bonus challenge* (difficult)</p>	<p>If you wanted to move exactly 20 cm. a) How many rotations would you need to use using your tires? b) How many would you need to use if the tires were 10cm tall?</p>
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