

# **ROBOTICS K-12**

## **Question 1:**

**FIRST Lego League counts the Robot Games as what percentage of total points achievable at a competition?**

- a) 100%**
- b) 75%**
- c) 50%**
- d) 33.3%**

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## **Answer: d) 33.3%**

**In FIRST Lego League there are three separate judging categories that are all equally weighted:**

- 1. The Robot Games**
- 2. The Project (an innovative solution to a problem based on the theme of the season)**
- 3. The Core Values (a set of guidelines to aspire to)**

**#morethanrobots**

**#teamworkmatters**

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## **Question 2:**

**Percentage of girls on the Hommocks Middle School Robotics Team last school year vs. this school year?**

- a) 10% vs. 50%**
- b) 10% vs. 25%**
- c) 20% vs. 30%**
- d) 15% vs. 40%**

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**Answer: b) 10% vs. 25%**

**Last year's Hommocks Middle School Team had just one girl out of 10 students (10%).**

**This year there are 4 girls out of 16 students (25%).**

**Our STEM Alliance robotics clubs are also engaging more & more girls:**

**Spring 2015 Robotics Club: 3 girls**

**Spring 2016 Robotics Club: 5 girls**

**Summer 2016 Robotics Intensive: 12 girls**

**Fall 2016 Robotics Club: 7 girls**

**#girlsandrobots**

**#peaceloverobots**

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## **Question 3:**

**True or False?**

**You must have a background in computer science or be a certified robotics instructor in order to coach a FIRST Lego League Team.**

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**Answer: False**

**Coaches and mentors help the team to brainstorm, organize and strategize. They ask questions to promote problem solving and to expand thinking. The kids do all the building and programming!**

**#mentors**

**#collaboration**

**#inspire**

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## **Question 4:**

**FIRST Robotics Competition and FIRST Lego League World Championships take place in:**

- a) A high school gymnasium**
- b) Legoland Orlando**
- c) A professional sports arena**
- d) None of the above**

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**Answer: c) A professional sports arena**

**The World Championship of FIRST Robotics takes place in a full scale, professional sports arena hosting 900 teams from over 40 countries and 40,000+ attendees. The last several Championships have taken place at the Edward Jones Dome — home to the St. Louis Rams football team.**

**Imagine . . . robotics on the Jumbotron!**

**#professionals**

**#robotics**

**#teamsport**



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## **Question 5:**

**Participants in the high school level  
FIRST Robotics Competitions get to:**

- a) Learn and use sophisticated software, hardware, and power tools**
- b) Improve teamwork, interpersonal, and communication skills**
- c) Qualify for millions of dollars in college scholarships**
- d) All of the above**

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**Answer: d) All of the above**

**The positive impact on FIRST Robotics Competition participants is well documented, with over 88% having more interest in doing well in school and 92% being more interested in attending college.**

**#collegeprepatory**

**#schoolsucces**