

FIRST LEGO LEAUGE - Ontario

Questions	
Question 1 Math	Check your tape marks with a ruler. How close were you? Within how many centimeters are you confident your robot can measure?
Within ~3 cm for example.	
Question 2 Coding	Sensors are often used to make sure everything going ok in an assembly line. Can you think of an example in an assembly line where a robot may want to get desecrate data from a continuous stream of information?
Counting parts/pieces, or whether a note a part is present.	
Question 2 Math	Circle all/any of the discrete numbers. 23.456 cm 5 dogs 11 km/h 30.5 °C
5 dogs	
Question 3 Math	If you were passing under a bridge that was exactly 675 cm tall and in your owner's manual, it tells you your truck is 673 cm plus or minus 5 cm (based on tire pressure), would you be 100% confident you could clear it safely.
No because it might be off one way or the other, possible as tall as 678 cm which is too high.	
Question 4 Math	How many lines did you draw? How many centimeters is that? Which of those number is discrete?
10 lines (discrete) ~100 cm (continuous)	