Engineering Puzzle Activity!

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1. How many collars are visible in the below	2. Will the output gear turn in the same direction as the input gear or opposite direction?					
picture? Multiply this number by 9 and color that number BLUE.	Same Direction COLOR THE NUMBER Different Direction COLOR THE NUMBER					
2	15 BLACK 15 YELLOW					
3. How many bevel gears are in this picture?	4. What is the name of this mechanism?					
Multiply this number by 8 and color that number GREEN.	Take the number of letters in its name, add <u>3</u> , and color that number PURPLE.					
5. The crank and slider mechanism is an example	6. What was the maximum number of collars					
of motion.	allowed to be used in the Solar Collector Survival Build Project?					
Color the number of letters in this word RED.	Multiple this number by $\underline{2}$, then add $\underline{3}$. Color this number GRAY.					
7. How many slashes are in a single line comment on ROBOTC?						
Multiple this number by 7 and color that number SKIN COLORED.						