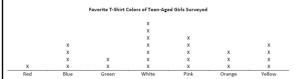
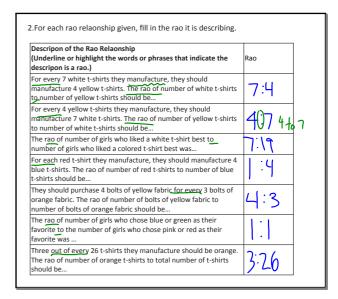
A t-shirt manufacturing company surveyed teen-aged girls on their favorite t-shirt color to guide the company's decisions about how many of each color t-shirt they should design and manufacture. The results of the survey are shown here.



1.Describe a rao relaonship, in the context of this survey, for which the rao is 3: 5.

The ratio of number of girls who liked an orange T-shirt best to the number of girls who liked a pink shirt best is 3:5.



Shanni and Mel are using ribbon to decorate a project in their art class. The rao of the length of Shanni's ribbon to the length of Mel's ribbon is $\underline{7}$: 3. Draw a tape diagram to represent this rao: SILLI $M \square \square$ Mason and Laney ran laps to train for the long-distance running team. The rao of the number of laps Mason ran to the number of laps Laney ran was 210.3, a.lf Mason ran 4 miles, how far did Laney run? Draw a tape diagram to demonstrate how you found the answer.

Mason can I miles - Mason ran 4 miles = 4-2=2 miles L= 2x3 (6 miles Taney = 930 930 meters = 310 meters per box 3 boxes mason=310+310=620 meters mason=? M:L=2:3 c. What raos can we say are equ alent to 2:3? 310 620:930 620 -M

1.The rao of the number of people who own a smoown a flip phone is 4:3. If 500 more people own a smany people own each type of phone? S S S S S S S S S S S S S	
2. Sammy and David were selling water boles to raise money for new football uniforms. Sammy sold 5 water boles for every 3 water boles David sold. Together they sold 160 water boles. How many did each boy sell? 5:3 160 - 8 - 20	