Chapter 8: Color for ordinal data

You'll need colored pencils, markers, or crayons to do these activities.

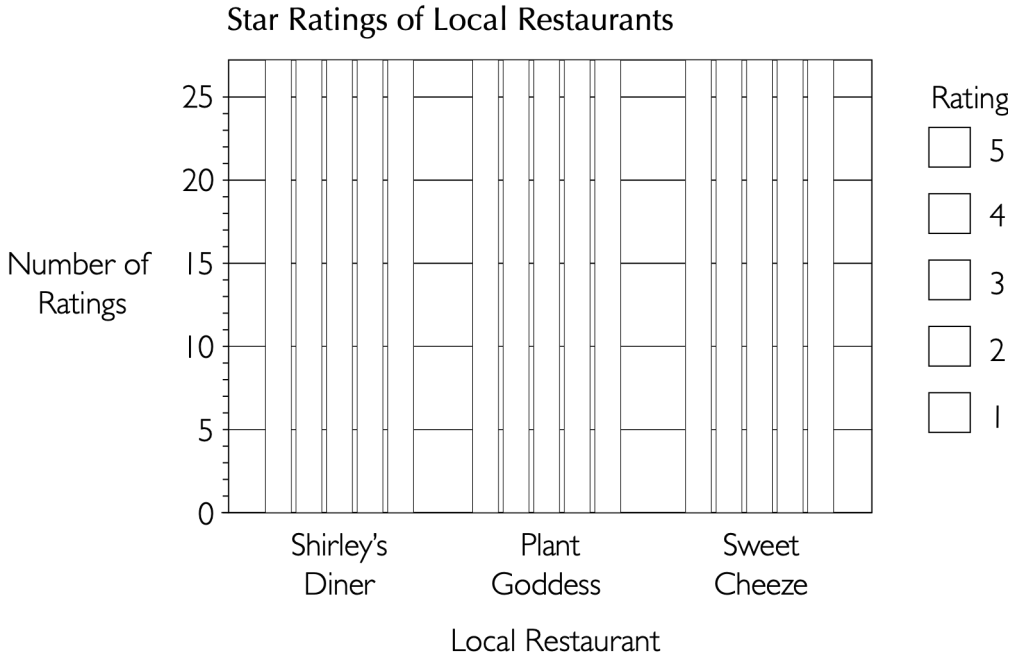
Note: If you have a hard time seeing some colors or you know that you are colorblind, please let your teacher or a friend know so that they can help you!

1. Create a low-to-high ordinal color palette with light-to-dark or bright-to-dark colors. Then, use the data set to color in the visualization with your colors.

Online Star Ratings of Local Restaurants

Star Rating	Shirley's Diner	Plant Goddess	Sweet Cheeze Pizza and Pie
1	1	0	3
2	3	1	2
3	6	8	5
4	12	23	1
5	20	24	23

   a. What color did you pick to go from light to dark or bright to dark?
   b. Use the data set to color in the visualization with your colors. Make sure the bars you fill in are the correct height.



   c. Which restaurant is the most popular? What makes you think that?

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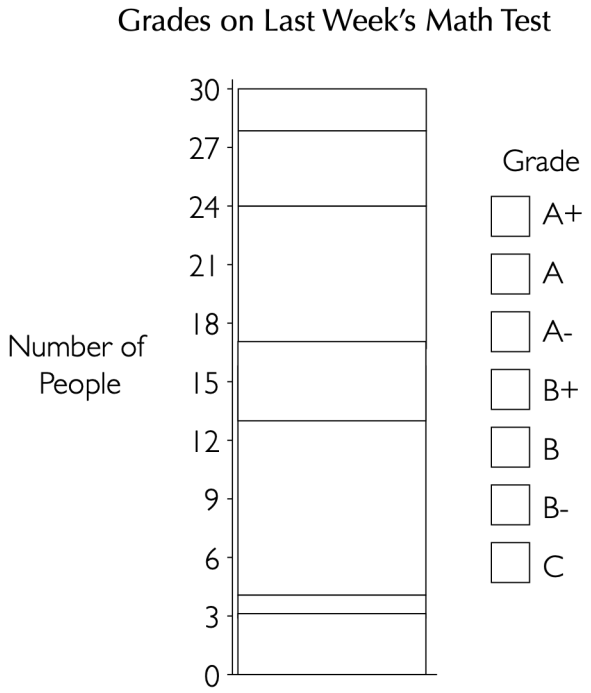
2. Pick seven colors to make a diverging ordinal color palette: three colors to go in one direction, three to the other, and a middle color that joins the two sides together.

    a. Use your palette to fill in the empty visualization below. The middle color in your palette should be at B+.

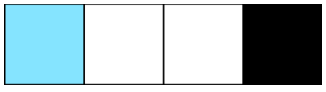


    b. Looking at the grades, do you think the Math test was hard? Why or why not?

    c. How are the colors for A+ and C similar to each other?

    d. How are the colors for A- and B similar to each other?

3. Fill in the middle colors of the palettes below to make ordinal color palettes. If you don't have the exact colored pencil or crayon colors that you need, try mixing a few colors together or lightly shading one color on top of another.

    a. 

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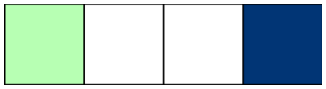
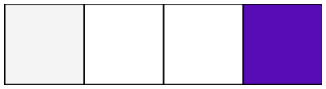
b. 

c. 

d. 

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