Jocelyn's Wildflowers

1. Jocelyn volunteers at the County Road Prairie for the Prairie Restoration Project. Her assignment is counting certain types of wildflowers in several equal-sized areas. Her data are shown below. Find the median number of wildflowers Jocelyn counted. Complete the table.

Number of Wild Flowers in a Sample Area

T Type of Wildflower	N Number Jocelyn Counted			
	Area 1	**Area 2**	**Area 3**	**Median**
prairie dock	8	6	8	
black-eyed susan	5	6	6	
purple coneflower	3	4	5	
goldenrod	10	9	12	

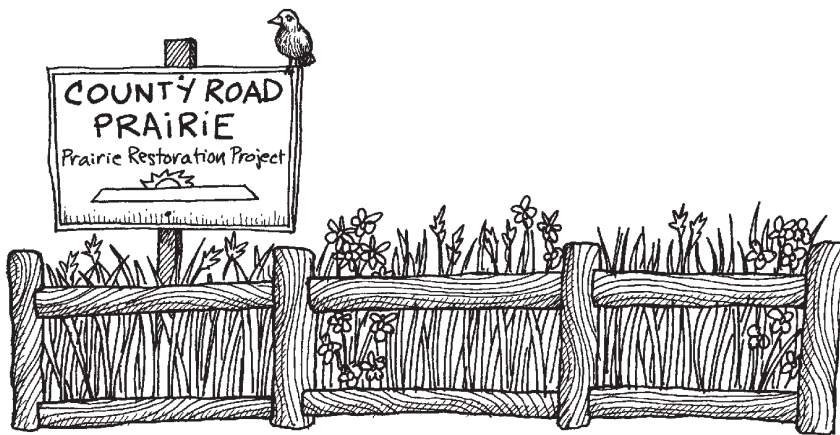2. Make a bar graph of Jocelyn's data.

3. The entire County Road Prairie is 50 times the size of one of the areas that Jocelyn counted. Estimate the number of each type of wildflower in the entire County Road Prairie. Explain how you made your estimates.

Type of Wildflower	Estimated Number in County Road Prairie
prairie dock	
black-eyed susan	
purple coneflower	
goldenrod	

Jocelyn's Wildflowers Feedback Box	Expectation	Check In	Comments
Find the median of a data set. [Q# 1]	E5		
Make a bar graph using categorical data. [Q# 2] • Title Graph • Label the axes with the variables. • Scale the vertical axis appropriately. • Draw the bars the correct height.	E3		
Model real-world situations with bar graphs. [Q# 2]	E8		
Make predictions about a data set using a data table, graph, and median. [Q# 3]	E10		