

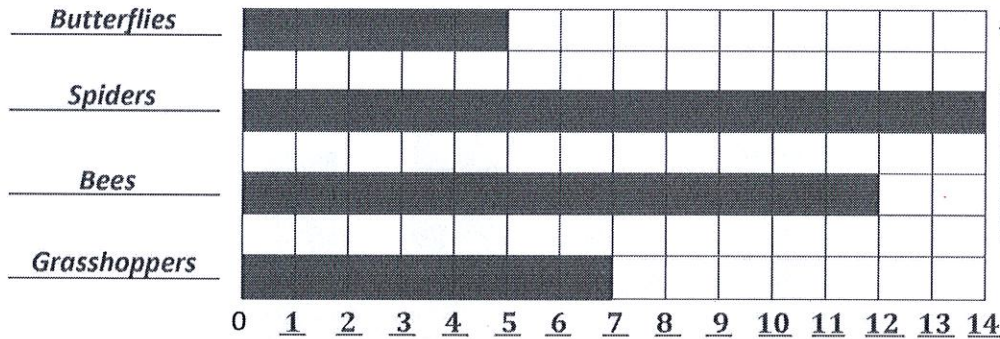
G2-M7-Lesson 4

Complete the bar graph using the table with the types of bugs Alicia counted in the park. Then, answer the following questions.

Types of Bugs			
Butterflies	Spiders	Bees	Grasshoppers
5	14	12	7

Before I can record the data, I need to write a title for the graph, label the four categories, and write a number scale at the bottom.

Title: Types of Bugs



I colored 5 boxes for butterflies because each box represents 1 unit.

a. How many more bees than grasshoppers were counted in the park? 5

$$7 + \underline{\quad} = 12$$

b. How many bugs did Alicia count in the park? 38

$$\begin{array}{r} 5 + 14 + 12 + 7 = \underline{\quad} \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ 19 \quad + \quad 19 \\ \hline 20 + 20 - 2 = 38 \end{array}$$

I know I can add in any order and use the strategy that works best for me. When I add $19 + 19$, I think of adding $20 + 20$. But then I have to subtract 2 because each addend is 1 less than 20.

c. How many fewer butterflies than bees and grasshoppers were counted in the park? 14

$$12 + 7 = 19$$

$$19 - 5 = 14$$

I can answer comparison questions using the data from my graph. Here, I subtracted $19 - 5 = 14$. In part (a), I thought of the missing part to solve, $7 + \underline{\quad} = 12$. I can use both operations!