

On the planet Vuv there are two sorts of creatures. The Zios have 3 legs and the Zepts have 7 legs. The great planetary explorer Nico, who first discovered the planet, saw a crowd of Zios and Zepts. Suddenly they all rolled over onto their backs and put their legs in the air. He counted 52 legs. How many Zios and how many Zepts were there?

Monitoring Chart: Zios and Zepts

Anticipated Solutions	Instructional Support		Who and What	Order
	Assessing Questions	Advancing Questions		
Draw a picture	<ul style="list-style-type: none"> • Can you tell me what you did? • How did you decide what to draw? • 	<ul style="list-style-type: none"> • Is there more than one solution? • Can you represent your work in another manner? 		
Grouping	<ul style="list-style-type: none"> • Can you tell me what you did? • How did you decide to group your Zios and Zepts. • How could you explain your strategy to others? 	<ul style="list-style-type: none"> • How could you write your method in “official” mathematical language? • Is there more than one solution? 		
Organized List	<ul style="list-style-type: none"> • Can you tell me what you did? • Why did you decide to create a list? • How did you decide which numbers went into your list? 	<ul style="list-style-type: none"> • Can you write your thinking in another way? • Is there more than one possible solution to this problem? 		
Graph	<ul style="list-style-type: none"> • Can you tell me what you did? • How did you select your data points? • Why did you choose the locations/scale of your axis? 	<ul style="list-style-type: none"> • Can you write an equation to fit your graph? • Is there more than one solution? 		
Equation	<ul style="list-style-type: none"> • Can you tell me what you did? • Why did you choose the variables that you used? • What do your numbers represent? • What do your variables represent? 	<ul style="list-style-type: none"> • What more would you need to solve this equation? • Is there more than one solution? 		
Trial and Error	<ul style="list-style-type: none"> • Can you tell me what you did? • Why did you decide to take this path? 	<ul style="list-style-type: none"> • Is there a way that you could arrive at your answer using more traditional math strategies? • Is there more than one solution? 		
Other	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • 		