Lesson 28: Populations and Random Sampling

Homework		
Name		Date
sells pens to 80 difference 80 purchases	ls pens in a variety erent girls. The store in a bag and has or	em. of colors. During the week the store e manager places the receipts for ne of the students randomly choose 20 npling is shown in the table below.
Color	Number of Pens	
Black	8	
Blue	5	
Red	3	
Green	4	
1. How large is the total population of sales of pens?		
2. How large is the	random sample?	
3. Is this sample a your answer.	a valid representat	ion of the population? Explain
4. How could the v	alidity of the sampl	e be improved?
5. Based on this su	ırvey, which color p	en is the most popular?
6. Make two other	inferences based o	n the result of the survey.
following inferer		unted, the store manager made the
Is that true based on the random sample? Explain your answer.		