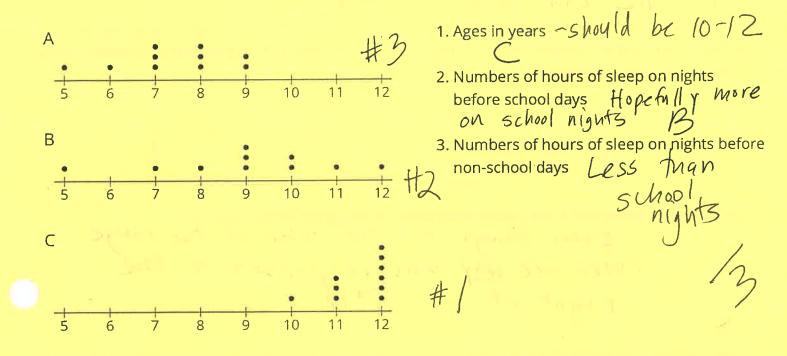
PERIOD

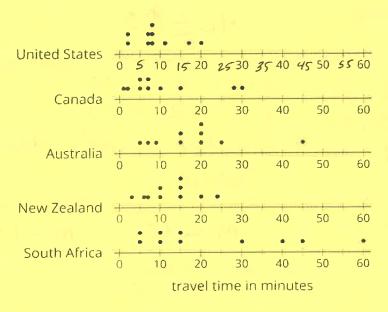
NAME

Unit 8, Lesson 5: Using Dot Plots to Answer Statistical Questions

1. Three sets of data about ten sixth-grade students were used to make three dot plots. The person who made these dot plots forgot to label them. Match each dot plot with the appropriate label.



2. The dot plots show the time it takes to get to school for ten sixth-grade students from the United States, Canada, Australia, New Zealand, and South Africa.



GRADE 6 MATHEMATICS

pollution. A rating of 0 means "not at all important" and a rating of 10 means "very important." Here is a dot plot of their responses.



importance of reducing pollution

Explain why a rating of 6 is not a good description of the center of this data set.

4. Tyler wants to buy some cherries at the farmer's market. He has \$10 and cherries cost \$4 per pound.

- a. If C is the number of pounds of cherries that Tyler can buy, write one or more inequalities or equations describing c. $4c \leq 40$
- b. Can 2 be a value of c? Can 3 be a value of c? What about -1? Explain your reasoning.

c. If *m* is the amount of money, in dollars, Tyler can spend, write one or more inequalities or equations describing *m*. $M \leq 10$ $M \equiv 10$

d. Can 8 be a value of *m*? Can 2 be a value of *m*? What about 10.5? Explain your reasoning.

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