Solving Tv	vo-Step Inequalit	ties
Practice and Problem Solving: A/B		
Fill in the blanks to show	v the steps in solving th	e inequality.
1. 3 <i>x</i> – 5 < 19		2. $-2x + 12 < -4$
3 <i>x</i> – 5 + < 19 +		-2x + 12 < -4
3 <i>x</i> <	-	-2 <i>x</i> <
3x ÷ < ÷		-2x÷>÷
X <		X >
3 Why do the inequality	signs stay the same in th	e last two steps of Exercise 1?
4. Why is the inequality s	Show your work.	vo steps of Exercise 2?
5. –7 <i>d</i> + 8 > 29	6. 12 – 3 <i>b</i> < 9	7. $\frac{2}{7} - 6 \ge -5$
8 Fifty students are tryin	ng to raise at least \$12.50	0 for a class trip. They
have already raised \$	1,250. How much should	each student raise, on
average, in order to m inequality for this prob	leet the goal? Write and s lem.	olve the two-step

9. At the end of the day, vegetables at Farm Market sell for \$2.00 a pound, and a basket costs \$3.50. If Charlene wants to buy a basket and spend no more than \$10.00 total, how many pounds of vegetables can she buy? Write and solve the inequality.

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