

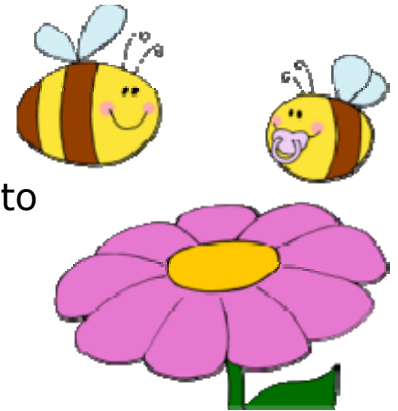
Name \_\_\_\_\_

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## Word Problems Leading to Inequalities - Step-by-Step Lesson

### Lesson 1 Mathematical Problem

Amanda has \$40 to spend on flowers. She wants to buy a pair of red rose flowers for \$18 and spend the rest on lily flowers. Each lily flower costs \$11. Write an inequality for the number of lily flowers she can purchase.



### Explanation:

$x$  = cost of one lily flower

$$11x + 18 \leq 40$$

$$11x \leq 40 - 18$$

$$11x \leq 22$$

$$x \leq 22/11$$

$x = 2 \rightarrow$  2 is the most lily flowers she can purchase

So she can purchase 2 lily flowers, at most.

