

1. Paige joins an online book club that costs \$20 and then \$5 per book she reads.

a. Fill in the blank to show she wants to spend at most \$50.

$$20 + 5x \text{ ____ } 50$$

b. Solve the inequality.

2. Brandon buys a house with 20 feet of fencing around the yard. He is going to increase the fence by adding 4 feet per day.

a. Fill in the blank to show he wants no more than 40 feet of fencing.

$$4x + 20 \text{ ____ } 40$$

b. Solve the inequality.

3. Laura is given \$400 for her birthday and starts spending \$30 each week.

a. Fill in the blank to show she wants to have less than \$130.

$$400 - 30x \text{ ____ } 130$$

b. Solve the inequality.

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3. Laura is given \$400 for her birthday and starts spending \$30 each week.

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$$400 - 30x \text{ ____ } 130$$

b. Solve the inequality.

4. Lauren is ordering cheese pizza and supreme pizza for a large party. The cheese pizzas cost \$10 each and the supreme are \$14 each.

a. Fill in the blank to show she only has \$150 to spend.

$$10x + 14y \text{ ___ } 150$$

5. Mrs. Tanuvasa is buying school supplies for her students. She needs notebooks and pencils. The notebooks cost \$1 each and a pack of pencils cost \$5 each.

b. Fill in the blank to show she wants to use a coupon that says you must spend more than \$100.

$$x + 5y \text{ ___ } 100$$

6. Mike has scored 45 points so far in this basketball season. He plans to score an average of 12 points per game from now on.

c. Fill in the blank to show he wants to score at least 117 points.

$$12x + 45 \text{ ___ } 117$$

d. Solve the inequality.

Answers		
$12x + 45 \geq 117$	$x \leq 5$	$5x + 20 \leq 50$
$x \geq 6$	$-30x + 400 < 130$	$x \leq 6$
$x + 5y > 100$	$x > 9$	$4x + 20 \leq 50$

4. Lauren is ordering cheese pizza and supreme pizza for a large party. The cheese pizzas cost \$10 each and the supreme are \$14 each.

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