

Corrective Assignment

Multiple Choice. Select the inequality that represents the situation.

1. Twice a number decreased by seven is greater than four.

(A) $2n - 7 < 4$

(B) $7 - 2n > 4$

(C) $2n - 7 > 4$

(D) $7 - 2n < 4$

2. Gus spent \$4 on pencils and bought 3 pens spending less than \$12. How much did the pens cost?

(A) $4 + 3p \leq 12$

(B) $4 + 3p < 12$

(C) $4p + 3 \leq 12$

(D) $4p + 3 < 12$

Create an inequality to model the following. Solve your inequality.

3. The 8th grade class raised \$100 for Homecoming. They are selling raffle tickets and make \$2 from each ticket sold. How many raffle tickets do they need to sell in order to raise more than \$500 for Homecoming?

Inequality:

Variable and what it represents:

Solution:

Sentence explaining the solution:

4. You and your friends want to rent a limousine to go to Homecoming. The limousine charges \$40 to pick you up and then \$20 per hour. You can spend at most \$200 to rent the limo, how long can you rent the limo?

Inequality:

Variable and what it represents:

Solution:

Sentence explaining the solution:

5. You start a game with 50 tokens. You lose 4 tokens every game. You need to have at least 18 tokens to give to your brother. How many games can you play?

Inequality:

Variable and what it represents:

Solution:

Sentence explaining the solution:

ANSWERS TO 7.4 CORRECTIVE ASSIGNMENT

1. C	2. B	3. $100 + 2t > 500$ where $t = \#$ of tickets sold $t > 200$ 8 th grade needs to sell more than 200 tickets
4. $40 + 20h \leq 200$ where $h = \#$ of hours $h \geq 8$ You can rent the limo for 8 or more hours	5. $50 - 4g \geq 18$ where $g = \#$ of games played $g \leq 8$ You can play 8 or less games	