TEST NAME: **Inequalities with Word Problems Review #1**
TEST ID: **3149444**
GRADE: **07 - Seventh Grade**
SUBJECT: **Mathematics**
TEST CATEGORY: **School Assessment**

05/23/19, Inequalities with Word Problems Review #1

Student: _____

Class: _____

Date: _____

1. Benito earns $250 per week giving surfing lessons plus $75 for each surfboard he sells. If Benito wants to earn **at least** $500 this week, which inequality could be solved to find x, the number of surfboards he needs to sell?

   A. $250 + 75x \geq 500$

   B. $250 + 75x \leq 500$

   C. $250x + 75 \leq 500$

   D. $250x + 75 \geq 500$

2. The French club is selling shirts as a fundraiser. The shirts will be sold for $8 each. If the club already has $25 in its fund and needs to raise **at least** $150, what is the **minimum** number of shirts it must sell?

   A. 22

   B. 21

   C. 16

   D. 15

3. Albert has $16 in savings at the beginning of a month. He then decides to save $8 every week. Which inequality represents the solution that describes how many weeks (w) it will take Albert to accumulate **at least** $120?

   A. $w \leq 7$

   B. $w > 7$

   C. $w < 13$

   D. $w \geq 13$

4. Shane has $6 more than three times the amount of money that Jerry has. If Shane has more than $99, which inequality represents the number of dollars (j) Jerry could have?

A. $j < 16$

B. $j > 16$

C. $j < 31$

D. $j > 31$

5. Brad has $75 in his savings account and adds $25 every month. He doesn't make any withdrawals from this account. Which inequality shows the number of months, x, it would take Brad to save at least $200?

A. $x \geq 2$

B. $x \geq 5$

C. $x \leq 8$

D. $x \leq 11$

6. Karen earns $10 per hour babysitting. She plans to save her earnings and has already saved $30. Which inequality shows how many hours, h, Karen needs to work to have more than $100 saved?

A. $h <>$

B. $h > 7$

C. $h \leq 7$

D. $h \geq 7$

7. Tommy charges $20 to mow a lawn. He will also trim bushes for an additional cost of $2 per bush. His goal is to earn at least $30 a day. If he mows only one lawn today, which inequality represents the number of bushes, n, he would need to trim to meet his goal?

A. $n \geq 2$

B. $n \geq 5$

C. $n \leq 5$

D. $n \leq 20$

8. The fee for renting a video camera is $25, plus $15 per day. Sam can spend no more than $85. What is the maximum number of days Sam can rent the video camera?

A. 2

B. 3

C. 4

D. 5

9. A number, *n*, decreased by 3 is greater than 8. Which inequality shows the solution for *n*?

A. $n <>$

B. $n > 5$

C. $n <>$

D. $n > 11$

10. Which inequality is equivalent to the statement, 'a number, *n*, decreased by 2 is greater than or equal to 8'?

A. $n \leq 6$

B. $n \geq 6$

C. $n \leq 10$

D. $n \geq 10$