

Standard  
7.EEStandards  
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## Questions

1. What is the value of  $x$ ?

$$\frac{2}{7}x - 9 = -15$$

2. The cost of a monthly gym membership is comprised of a monthly fee of \$15 and a cost of \$2.50 per visit. If John paid \$62.50 last month, how many visits did he have?

3. Megan wanted to jump 1700 times using her jump rope. On Sunday she jumped 365 times. During the week (Monday through Friday), she jumped the same amount each day. How many jumps did she do each day Monday through Friday?

4. Write an equation and solve.

18 less than 5 times a number is equal to -83.

5. Write an equation and solve.

7 times the difference of 3 times a number and 6 is equal to -210.

## Questions

1. What is the solution to the inequality:

$$-4x - 16 \geq -33$$

2. What is the solution to the inequality:

$$19 - 12x \leq 151$$

3. Johnny has a gym membership that charges \$18 per month and \$1.50 per visit. He wants to spend no more than \$45 this month at the gym. Write and solve an inequality to represent the number of gym visits that Johnny can use in a month.

4. The Salem Swim Team is selling colorful sunglasses for \$6 a pair to raise money for their team. So far, they've raised \$241, but want to have at least \$403 by the end of the fundraiser. How many pairs of sunglasses must they sell to reach their goal?

5. To decorate her new bed, Minnie wants to purchase a new comforter and several throw pillows. The comforter costs \$63 and each throw pillow costs \$13. If she wants to spend no more than \$154, how many pillows,  $p$ , could she buy? Select the inequality that represents this situation.

- A.  $63p + 13p \leq 154$   
 B.  $63p + 13p \geq 154$   
 C.  $63 - 13p \leq 154$   
 D.  $63 + 13p \leq 154$