

Practice Questions**Lesson:** Understand inequalities using a bar model**Lesson Link:** <http://learnzillion.com/lessons/3773>**Standard:** 6.EE.5**Name** _____**Fluency Questions**

1. Which of the following values (1, 2, 3, 4) make the inequality true: $3b > 6$?

2. Which numbers are a solution for the inequality $x \div 5 \leq 27$: (100, 75, 150, 125)?

3. Which of the following (7, 6, 4, 5) is NOT a solution for the inequality: $x + 11 > 15$

4. Johanna is solving the following inequality, $y + 15 < 25$. She says that only possible solutions are included in the following set: (5, 8, 10, 12). Do you agree or disagree with her? Explain your answer.

Answer Key

1. Which of the following values (1, 2, 3, 4) make the inequality true: $3b > 6$?

3 and 4

2. Which numbers are a solution for the inequality $x \div 5 \leq 27$: (100, 75, 150, 125)?

75, 100, and 125

3. Which of the following (7, 6, 4, 5) is NOT a solution for the inequality: $x + 11 > 15$

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4. Johanna is solving the following inequality, $y + 15 < 25$. She says that only possible solutions are included in the following set: (5, 8, 10, 12). Do you agree or disagree with her? Explain your answer.

Johanna is incorrect because while both 5 and 8 are solutions to the inequality, there are other solutions that will work that are not included in the set. For example, 6 and 7 are also solutions. As long as a number when added to 15 is less than 25, that number is a solution.