

Name: Sharon Hampton

Grade Level/Subject: 8th grade

Topic: Inequalities

Objectives (P.A.S.S.): Standard 1.2 Inequalities a. model, write, and solve 1-step and 2-step linear inequalities with one variable and b. graph the solution to linear inequalities with one variable on a number line.

Introduction: Healthy Breakfast Cereals
(per serving)
Fat-----less than 5 grams
Protein--more than grams
Fiber----at least 3 grams
Sugar---at most 5 grams

Suppose your cereal has 2g of fat, 7g of protein, 4g of fiber, and 3g of sugar. Is it a healthy cereal?

Instructional process: Write a definition for the word inequality also discuss the inequality symbols and organize in chart

INEQUALITY SYMBOLS

WORDS is less than is greater than is less than or equal to is greater than or equal to
(at most) (at least)

SYMBOLS < > < >

Write inequality $x < 3$ and ask for an answer or solution for x discuss in detail and then explain how to graph. Show and compare the inequalities $x < 3$, $x > 3$ etc. Write a true inequality $8 < 3$ and show that if they add or subtract the same number from each side the inequality stays a true statement. Therefore solving an inequality is like solving an equation. Apply to story problems : Suppose a pair of jeans cost \$29 and a shirt cost \$8. You have \$70 to spend on both. Write an inequality to find how many pairs of jeans you can buy along with one necklace.

Closure: Interactive chalkboard power point is a great closure because after I have taught they become the teachers and explain on the smartboard how to do the problems

Assessment: Watching the students teach, walking around the room when they are working, and grading papers next day tells me to move forward or spend another day on the concept.

Modifications/Accommodations: As students are working on their assignments I allow them to compare across the isle to make sure they are getting same answers and if not WHY not? Explain to each other.

Reflection: Students did a fine job