

Weekly Math Mania

Topic: Solving Inequalities

Date Due: Monday November 6th

YOU MUST: Rate yourself on a scale of 1 to 5 on your understanding of each standard below.

1 represents “I am clueless.”

5 represents “I completely understand this concept.”

Learning Targets

	I can translate from verbal real world situations to symbolic representations (inequalities)
	I can solve one step algebraic inequalities involving addition and subtraction
	I can solve one step algebraic inequalities involving multiplication and division
	I can solve 2-step inequalities.

Family Engagement Work through the riddle, “What Happened When the Crossword Champion Died?” with a Family member.	Words at Work Inequality Define this word in below:
Independent Practice VOLUME 2 Pg 501(1-12 all) Pg 509 (1-14 all) Pg 517 (1-8 all) You may tear the page out and staple it to this packet.	Math in the Real World Complete page 522 “Vet Techs Don’t Monkey Around.” You must complete all 5 questions
Choose either the online activity or the textbook activity.	
Online Activity Must do the Textbook activity →	Textbook Activity Please complete the Inquiry Lab on pages 493-496 in your textbook. Tear it out and staple them to the last page in this packet. You must complete all pages to receive credit.

What Happened When the Crossword Puzzle Champion Died?

Find the graph of the solution set of each inequality below in the corresponding column of graphs. Notice the letter next to it. Write this letter in each box containing the number of that exercise. Keep working and you will find out about this grave event.

① $x < 2$	⑩ $x < 1$	① $x < 1$
② $x \leq 2$	⑪ $1 < x$	② $x \leq 2$
③ $x > 2$	⑫ $-3 \leq x$	③ $x > 2$
④ $x \geq 2$	⑬ $x > -3$	④ $x \geq 2$
⑤ $x \neq 1$	⑭ $x \neq -1$	⑤ $x \neq 1$
⑥ $x < -1$	⑮ $0 \geq x$	⑥ $x < -1$
⑦ $x > -1$	⑯ $0 \leq x$	⑦ $x > -1$
⑧ $x \leq -1$	⑰ $0 > x$	⑧ $x \leq -1$
⑨ $x \geq -1$	⑱ $0 < x$	⑨ $x \geq -1$

1	8	6	11	16	5	14	15	6	17	8	15	10	18	15	7	17	3	2	13	4	13	17	6	15	9	8	1	4	12	14	3	18	18
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