

Name _____

Date _____

Understand, Write, And Graph Inequalities

G6

Inequalities compare two values using symbols like $>$, $<$, $\geq$, or $\leq$. Understanding, writing, and graphing inequalities helps solve real-world problems by showing possible solutions and relationships between numbers.

Q1 Which of the following inequalities correctly shows that 4 is less than 7?

A. $4 > 7$

B. $4 < 7$

C. $4 = 7$

D. $4 \geq 7$

Q2 Which symbol completes the inequality $8 \underline{\hspace{1cm}} 10$ to show that 8 is less than 10?

A. $>$

B. $<$

C. $=$

D. $\geq$

Q3 Fill in the blank: If $x > 5$, then x could be ____?

A. 3

B. 5

C. 7

D. 4

Q4 Which of the following is the solution set for the inequality $x + 3 > 8$?

A. $x > 5$

B. $x < 5$

C. $x \leq 5$

D. $x \geq 5$

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Understand, Write, And Graph Inequalities - Answer Key**Q1****B****Q2****B****Q3****C****Q4****A**