

Greater Than Less Than Worksheets

Greater Than Less Than Worksheets

Disclaimer: *The greater than less than worksheets was generated with the help of StudyBlaze AI. Please be aware that AI can make mistakes. Please consult your teacher if you're unsure about your solution or think there might have been a mistake. Or reach out directly to the StudyBlaze team at max@studyblaze.io.*

Part 1: Building a Foundation

Which symbol represents 'greater than'?

Hint: Think about the symbols used in comparisons.

- <
- >
- =
- ≤

Select all the statements that correctly use the 'less than' symbol.

Hint: Look for comparisons where the first number is smaller.

- $3 < 5$
- $7 > 2$
- $8 < 10$
- $12 > 15$

Explain in your own words what it means when a number is 'greater than' another number.

Hint: Think about how you would compare two quantities.

List two real-world examples where you might use 'greater than' or 'less than' comparisons.

Hint: Consider situations involving measurements or quantities.

1. Example 1

2. Example 2

Part 2: Understanding and Interpretation

Which of the following comparisons is correct?

Hint: Evaluate each option carefully.

- $4.5 > 4.9$
- $7/8 < 3/4$
- $0.6 < 0.9$
- $1/2 > 2/3$

Identify all the correct comparisons.

Hint: Look for comparisons where the first number is indeed greater.

- $5.2 > 5.1$
- $1/3 < 1/4$
- $0.75 > 0.5$
- $9 < 10$

Describe how you would use a number line to compare the numbers 2.3 and 2.7.

Hint: Think about the placement of each number on the line.

Part 3: Application and Analysis

If you have $\frac{3}{5}$ of a pizza and your friend has $\frac{2}{3}$ of a pizza, who has more pizza?

Hint: Convert the fractions to a common denominator if needed.

- You
- Your friend
- Both have the same amount
- Cannot be determined

In which situations would you use 'greater than'?

Hint: Think about comparisons in everyday life.

- ComparING ages
- Measuring height
- Calculating weight
- Counting money

Provide a scenario where comparing two decimal numbers is necessary, and explain the comparison.

Hint: Think about situations involving money or measurements.

Analyze the following: Which statement is true if $x > y$ and $y > z$?

Hint: Consider the relationships between the variables.

- $x < z$
- $x = z$
- $x > z$
- $x < y$

Given the numbers $\frac{1}{4}$, 0.25, and 25%, which comparisons are correct?

Hint: Convert all numbers to the same format if necessary.

- $\frac{1}{4} = 0.25$
- $0.25 > 25\%$
- $25\% = \frac{1}{4}$
- $\frac{1}{4} < 0.25$

Analyze the relationship between the numbers 0.1, 0.01, and 0.001, and explain their order from greatest to least.

Hint: Consider the value of each decimal.

Part 4: Evaluation and Creation

Evaluate the following scenario: If a car travels 60 miles in one hour and another car travels 55 miles in the same time, which car is faster?

Hint: Consider the distance traveled in the same time frame.

- First car
- Second car
- Both are equally fast
- Cannot be determined

Evaluate the following comparisons and select the correct ones.

Hint: Check each comparison carefully.

- $\frac{3}{5} > 0.6$
- $\frac{7}{10} < 0.7$
- $0.8 = \frac{4}{5}$

$1/2 > 0.49$

Create a real-world problem that involves comparing two quantities using 'greater than' or 'less than,' and provide a solution.

Hint: Think about everyday situations where comparisons are made.

Propose two different methods to teach the concept of 'greater than' and 'less than' to a younger audience.

Hint: Consider engaging and interactive methods.

1. Method 1

2. Method 2