

Greater Than And Less Than Worksheets Questions and Answers PDF

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Part 1: Building a Foundation

Which symbol represents "greater than"?

Hint: Think about the symbols used in mathematics.

- A) $<$
- B) $>$ ✓
- C) $=$
- D) \leq

■ The symbol that represents 'greater than' is ' $>$ '.

Which symbol represents "greater than"?

Hint: Think about the symbols used in math.

- A) $<$
- B) $>$ ✓
- C) $=$
- D) \leq

■ The greater than symbol is represented by ' $>$ '.

Which of the following numbers are greater than 5?

Hint: Consider each number carefully.

- A) 3
- B) 7 ✓
- C) 5
- D) 9 ✓

| The numbers greater than 5 are 7 and 9.

Which of the following numbers are greater than 5?

Hint: Consider each number and compare it to 5.

- A) 3
- B) 7 ✓
- C) 5
- D) 9 ✓

| The numbers greater than 5 are 7 and 9.

Explain what it means when we say a number is "less than" another number.

Hint: Think about the relationship between the two numbers.

| **A number is 'less than' another if it is smaller in value.**

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Hint: Think about the relationship between the two numbers.

| **A number is less than another if it is smaller in value.**

List the symbols used for comparing numbers and what each symbol means.

Hint: Think about the common comparison symbols.

1. What does $>$ mean?

| Greater than

2. What does $<$ mean?

| Less than

3. What does $=$ mean?

| Equal to

4. What does \geq mean?

| Greater than or equal to

| The symbols include $>$ (greater than), $<$ (less than), $=$ (equal to), and \geq (greater than or equal to).

Part 2: Understanding and Interpretation

On a number line, which number is less than 8?

Hint: Look for numbers that are to the left of 8.

- A) 10
- B) 12
- C) 6 ✓
- D) 9

| The number less than 8 is 6.

On a number line, which number is less than 8?

Hint: Visualize the number line.

- A) 10
- B) 12
- C) 6 ✓
- D) 9

| The number less than 8 is 6.

Which of the following statements are true?

Hint: Evaluate each statement carefully.

- A) $4 > 2$ ✓
- B) $7 < 5$
- C) $9 = 9$ ✓
- D) $3 > 8$

| The true statements are $4 > 2$ and $9 = 9$.

Which of the following statements are true?

Hint: Evaluate each statement carefully.

- A) $4 > 2$ ✓
- B) $7 < 5$
- C) $9 = 9$ ✓
- D) $3 > 8$

| The true statements are $4 > 2$ and $9 = 9$.

Describe how you would use a number line to compare the numbers 3 and 7.

Hint: Think about the positions of the numbers.

You would place 3 to the left of 7 on the number line, indicating that 3 is less than 7.

Describe how you would use a number line to compare the numbers 3 and 7.

Hint: Think about the positions of the numbers on the line.

You would see that 3 is to the left of 7, indicating that 3 is less than 7.

Part 3: Application and Analysis

If you have 3 apples and your friend has 5 apples, which statement is true?

Hint: Compare the number of apples you both have.

- A) You have more apples.
- B) Your friend has more apples. ✓**
- C) You both have the same number of apples.
- D) You have fewer apples.

Your friend has more apples.

If you have 3 apples and your friend has 5 apples, which statement is true?

Hint: Consider the number of apples each person has.

- A) You have more apples.
- B) Your friend has more apples. ✓
- C) You both have the same number of apples.
- D) You have fewer apples.

■ Your friend has more apples.

In a race, if John finishes in 3rd place and Lisa finishes in 1st place, which statements are correct?

Hint: Think about the order of finishing in the race.

- A) John finished before Lisa.
- B) Lisa finished after John.
- C) Lisa finished before John. ✓
- D) John finished after Lisa. ✓

■ The correct statement is that Lisa finished before John.

In a race, if John finishes in 3rd place and Lisa finishes in 1st place, which statements are correct?

Hint: Think about the order of finishing.

- A) John finished before Lisa.
- B) Lisa finished after John.
- C) Lisa finished before John. ✓
- D) John finished after Lisa. ✓

■ The correct statement is that Lisa finished before John.

Provide a real-world example where you would use the greater than symbol.

Hint: Think about situations involving comparisons.

■ An example could be comparing the number of books you have to a friend's collection.

Provide a real-world example where you would use the greater than symbol.

Hint: Think about situations involving comparison.

An example could be comparing the heights of two people.

Analyze the following statements and identify which are false:

Hint: Consider the truth of each statement.

- A) $5 < 5$ ✓
- B) $10 > 8$
- C) $6 = 6$
- D) $4 > 7$ ✓

The false statements are $5 < 5$ and $4 > 7$.

Analyze the following statements and identify which are false:

Hint: Consider the truth of each statement.

- A) $5 < 5$ ✓
- B) $10 > 8$
- C) $6 = 6$
- D) $4 > 7$ ✓

The false statements are $5 < 5$ and $4 > 7$.

Analyze the relationship between the numbers 12 and 15 and explain which is greater and why.

Hint: Think about the values of the two numbers.

15 is greater than 12 because it has a higher value.

Analyze the relationship between the numbers 12 and 15 and explain which is greater and why.

Hint: Consider the values of the numbers.

12 is less than 15, so 15 is greater.

Part 4: Evaluation and Creation

Which of the following scenarios best illustrates the use of "less than"?

Hint: Think about comparisons involving size or quantity.

- A) Comparing the height of two buildings where one is taller.
- B) Determining which of two cars is faster.
- C) Deciding which of two boxes is heavier.
- D) **Choosing the smaller of two numbers. ✓**

Choosing the smaller of two numbers illustrates 'less than'.

Which of the following scenarios best illustrates the use of "less than"?

Hint: Think about comparisons.

- A) Comparing the height of two buildings where one is taller.
- B) Determining which of two cars is faster.
- C) Deciding which of two boxes is heavier.
- D) Choosing the smaller of two numbers. ✓

Choosing the smaller of two numbers illustrates 'less than'.

Evaluate the following scenarios and identify which involve the use of "greater than":

Hint: Consider comparisons that show one quantity is larger.

- A) Comparing the age of two siblings. ✓
- B) Determining which book has more pages. ✓
- C) Checking which of two cities has a larger population. ✓
- D) Finding out which of two mountains is shorter.

The scenarios that involve 'greater than' are comparing ages, pages, and populations.

Evaluate the following scenarios and identify which involve the use of "greater than":

Hint: Consider each scenario carefully.

- A) Comparing the age of two siblings. ✓
- B) Determining which book has more pages. ✓
- C) Checking which of two cities has a larger population. ✓
- D) Finding out which of two mountains is shorter.

The scenarios involving 'greater than' are comparing ages, pages, and populations.

Create a word problem involving greater than and less than, and provide a solution.

Hint: Think about a scenario that requires comparison.

An example could be: 'If I have 10 candies and my friend has 7, how many more do I have?' The solution is 3 more candies.

Create a word problem involving greater than and less than, and provide a solution.

Hint: Think about a scenario that requires comparison.

An example could be comparing the number of books two friends have.