71. Understanding Mathematical Symbols (=, ≤, <, ≥, >, ≠)

Practice Questions

1. Fill in the blank with the correct symbol: 8 ___ 12

2. Choose the correct symbol: 23 ___ 23

3. Complete the statement: 5 + 2 ___ 9 – 1

4. True or False: 16 ≥ 15

5. Which symbol should be used: –3 ___ –5?

6. Write an inequality for a number x that is greater than 10.

7. Arrange in ascending order using symbols: 4, 0, –2, 8

8. Rewrite 17 ≠ 9 using words.

9. Which is the smallest number: –7, 0, –2, –10?

10. Write an inequality to express that x is at most 50.

Scenario Questions

1. Sam has 12 apples, and Jake has 9 apples. Write an inequality to compare them.

2. A bus can hold 40 passengers. There are 40 people on the bus. Use ≤ or = to describe the situation.

3. A store sells two brands of cereal: one weighs 500g, and the other weighs 750g. Write an inequality to compare them.

4. The temperature in City A is –2°C, and in City B, it's 3°C. Write a mathematical statement to compare them.

5. A football team needs at least 11 players to play a match. Express this as an inequality.

6. A movie ticket costs £8. Sarah has £6. Write an inequality to describe her situation.

7. A car must not exceed 70 mph on a motorway. Write an inequality to show this rule.

8. Anna is 5 feet 5 inches tall, and Bob is 6 feet tall. Write a mathematical statement to compare their heights.

9. A park sign says, "Dogs weighing over 20kg must be on a leash." Write an inequality to represent this.

10. A bakery sells cupcakes for £2 each. John has £10. Write an inequality to describe how many cupcakes he can buy.

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Practice Questions

1. <
2. =
3. =
4. True
5. >
6. $x > 10$
7. -2, 0, 4, 8
8. Seventeen is not equal to nine.
9. -10
10. $x \leq 50$

Scenario Questions:

1. Sam > Jake
2. =
3. 500g < 750g
4. -2°C < 3°C
5. Players ≥ 11
6. £6 < £8
7. Speed ≤ 70 mph
8. Anna < Bob
9. Weight > 20kg
10. Cupcakes ≤ 5