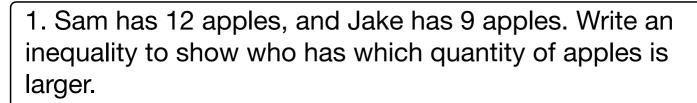
71. Understanding Mathematical Symbols $(=, \neq, <, \leq, >, \geq)$

Practice Questions:

- 1.Fill in the blank with the correct symbol: =, <, or > 8 ___ 12
- 2. Fill in the blank with the correct symbol: =, <, or > 23 ___ 23
- 3. Fill in the blank with the correct symbol: =, <, or > $5 + 2 \underline{\hspace{1cm}} 9 1$
- 4. Fill in the blank with the correct symbol: =, <, or > -3____ -5
- 5. True or False: 16 ≥ 15
- 6. Write an inequality to show that x is greater than or equal to 10.
- 7. Arrange the following numbers in ascending order using symbols to show size: 4, 0, -2, 8
- 8. Rewrite this statement using words: 17 ≠ 9
- 9. Use > to compare the following numbers: -7 and 4?
- 10. Write an inequality to show that x is less than or equal to 50.

71. Understanding Mathematical Symbols $(=, \neq, <, \leq, >, \geq)$

Scenario Questions:



Sam's apples _____ Jake's apples

2. A bus can hold up to 40 passengers. Use \leq , <, > or \geq to make the statement represent this.

The number of people on the bus _____ 40 people

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

500g ______ 750g

4. The temperature in City A is -2° C, and in City B it's 3° C. Using <, > or = complete the mathematical statement to compare the temperatures.

–2°C 3°C

5. A football team needs at least 9 players to play a match. Use \leq , <, > or \geq to make the statement below true.

Players on football team _____ 9 players

71. Understanding Mathematical Symbols

 $(=,\neq,<,\leq,>,\geq)$

Scenario Questions:

- 6. A movie ticket costs £8. Sarah has £6. Write an inequality to show if Sarah has more or less money than the cost of a movie ticket.
- 7. A car must not exceed 70 mph on a motorway. Write an inequality to show the cars speed in relation to 70 mph.

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

- 9. A park sign says, "Dogs weighing 20 kg and over must be on a lead." Write an inequality to indicate the relationship between dogs off leads and 20kg.
- 10. A bakery sells cupcakes for £2 each. John has £10. Write an inequality to show the maximum number of cupcakes he can buy.

ANSWERS

Topic 71. Using Mathematical Symbols

Practice Questions:

1. 8 < 12

2.23 = 23

3.5 + 2 < 9 - 1

4. -3 > -5

5. True

6. $x \ge 10$

7. -2 < 0 < 4 < 8

8. 17 is not equal to 9

9. 4 > -7

10. $x \le 50$

Scenario Questions:

1. Sam's apples > Jake's apples

2. People on bus ≤ 40

3.500 g > 750 g

 $4. -2^{\circ}C < 3^{\circ}C$

5. Players on team ≥ 9 players

6. £6 < Movie Ticket

7. Speed \leq 70 mph

8. Anna < Bob

9. Dogs off leads < 20 kg

10. Cupcakes < 5