Inequalities

|  |  |  |
| --- | --- | --- |
| **Symbol** | **Meaning** | **Phrases (commonly used)** |
| **>** | More than | Greater than, higher, bigger than, more expensive than, over |
| **<** | Less than | Smaller than, less expensive than, under, lower |
| **≥** | More than or equal to | No less than, at least, minimum |
| **≤** | Less than or equal to | No more than, up to, at most, maximum |

**Directions:** Read each question carefully. Write an inequality to represent each situation.

1. Persons under 17 not admitted.
2. You must be at least 36 in. tall to ride an amusement park ride.
3. There are over 20 species of crocodiles.
4. To earn an “A” in Mr.McLean’s English class, students must score a total of 135 points on three tests. On the first two tests, John’s score were 47 and 48. What is the minimum score he must score on the third test in order to meet the requirements?
5. Asia works part-time at a drycleaners earning $5.85 per hour. He needs to earn $100. What is the least number of hours must he work to earn the money?
6. Wind speeds of a tropical storm are at least 40 mph but no more than 74 mph.
7. You must drive at least 40 mph but no more than 70 mph.
8. You have the potential to earn between 30,000 and 45,000 dollars per year.

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