Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Core: \_\_\_\_\_\_

Inequality Practice

*For each example, graph the solution set for each inequality on the number line.*

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| 1. x > 6 | 5. x > 48 |
| 2. x ≤ 10 | 6. x ≤ 15 |
| 3. x ≥ 4 | 7. x ≥ 16 |
| 4. x < 7 | 8. x < 25 |

*Read each problem, then write and graph the inequality.*

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| 1. In order to ride the roller coaster at the fair, John must be at least 42 inches tall. | 2. Jamal can buy at most 10 songs for his iPod. |
| 3. Tina has less than 14 dollars. | 4. The price of a DVD is more than 11 dollars. |
| 5. Sherry wants to spend less than 24 dollars on her new shoes.  | 6. David has to play his instrument for at least 10 minutes a night. |
| 7. 4 more than a number is less than 16. | 8. A bag of assorted chocolates has at least 16 Hershey bars in it. |
| 9. On average the temperature in the winter is at most 45 degrees. | 10. 5 more than twice a number is greater than 10. No graphing necessary |