

Comparing and Ordering Square Roots

Name: _____

Date: _____

Part A: Compare the Numbers

Write $<$, $>$, or $=$ in each box.

1. $\sqrt{16}$ _____ 5

2. $\sqrt{25}$ _____ 6

3. $\sqrt{9}$ _____ 3

4. $\sqrt{36}$ _____ 7

5. $\sqrt{49}$ _____ 8

6. $\sqrt{64}$ _____ 9

7. $\sqrt{81}$ _____ 10

8. $\sqrt{100}$ _____ 11

Part B: Order from Smallest to Largest

Write the numbers in order on the line provided.

9. 5, $\sqrt{16}$, 3, $\sqrt{9}$

10. $\sqrt{36}$, 8, $\sqrt{49}$, 5

11. 10, $\sqrt{81}$, $\sqrt{64}$, 7

12. $\sqrt{100}$, 12, $\sqrt{121}$, 9

Part C: Order from Largest to Smallest

Write the numbers in order on the line provided.

13. $\sqrt{4}$, 6, $\sqrt{25}$, 2

14. 11, $\sqrt{144}$, $\sqrt{100}$, 9

15. $\sqrt{49}$, 5, $\sqrt{36}$, 8, $\sqrt{64}$

Part D: Challenge Questions

16. Which is greater: $\sqrt{50}$ or 7? Explain your reasoning.

17. Place these numbers in order from smallest to largest: 4, $\sqrt{20}$, $\sqrt{36}$, 5, $\sqrt{16}$
