ame	Da	te Class
Practice A	<u> </u>	
Exponents		
	exponent for each of the 1	following.
I. 7 ²	2. 5 ⁴	3. 6 ⁸
base	base	base
exponent	exponent	exponent
. 5 ⁹	5. 10 ⁷	6. 4 ³
base	base	base
exponent	exponent	exponent
rite using exponents.		
.4 × 4	8. 2 × 2 × 2	9. 10 × 10
.5 × 5 × 5 × 5	11.3 × 3 × 3 × 3	12. 8 × 8 × 8 × 8 × 8
rite as repeated multi		
. 6 ²	14. 5 ³	15. 10 ³
	17. 2 ⁵	18. 3 ⁶
	vays can you use the digits 3	

20. What do the following two expressions have in common? "three to the second power" and "three squared"

Name _____ Date ____ Class ___

Practice B

1-3 Exponents

Write each expression in exponential form.

 1.9×9

- 2.7×7×7
- 3.1×1×1×1×1

- $4.5 \times 5 \times 5 \times 5$
- 5. $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$ 6. $10 \times 10 \times 10 \times 10$

Find each value.

7. 6²

- **8.** 5³
- **9.** 10³
- **10**. 7²

- 11. 2⁵
- **12.** 3⁴
- **13**. 25¹
- **14.** 16⁰

Compare. Write <, >, or =.

- **15.** 8⁰
- 11² **16.** 10²
- **17.** 8²

18. 3⁴

19. 2⁵

- **20**. 6²
- 21. What whole number equals 25 when it is squared and 125 when it is cubed?
- 22. Use exponents to write the number 81 three different ways.