NAME Module 5 Lesson 6	Decimal Operations, Exp Powers and Exponents	onents, and Po	owers Independent Practice 5.6
Wri	te in exponential form.		
1.	$4 \times 4 \times 4 \times 4 \times 4$	2.	$3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$
Eva	luate.		
3.	2 ⁸	4.	3 ³
5.	-4 ²	6.	(-3) ⁴
7.	2 to the 4 th power	8.	9 to the 2 nd power
9.	$-5^2 \times (-3)^2$	10.	$(-2)^3 \times -2^2$
11.	$-(6-1)^2$	12.	$2(-4-2)^2$
13.	$8^2 - 2^4$	14.	$2^{5} - 4^{3}$
15.	$3^3 \times 7^0$	16.	$-4^{0} \times 5^{3}$
17.	2 ⁻³	18.	-7 ⁻²
)			

- **19.** A multiple choice test has five questions and the choices for each question are A, B, or C. How many different ways are there to answer all five questions?
- **20.** On the first day, there were two snails in the fishbowl. If the number of snails doubled every month, how many snails were there after seven months?

Journal

- 1. Explain how to write 64 as the factor, two, raised to a power.
- 2. Express the following product using exponents. Explain your procedure. $5^3 \times 5^6$
- 3. Evaluate the following expression. Explain your procedure. $9^2 - 2^7$
- 4. Evaluate each of the following expressions. Explain the differences between them. 4^2 , -4^2 , $(-4)^2$, $-(-4)^2$

Cumulative Review

Evaluate each expression.

 1. 0.7 ± 0.7 2. 2.8 ± 1.9

 3. 3.95 ± 0.46 4. 5.99 ± 0.3

 5. 0.6 - 0.06 6. 1.4 - 0.14

 7. 8.78 - 2.912 8. 10.3 - 4.52

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Module 5	Decimal Operations, Exponents, and Powers
Lesson 6	Powers and Exponents

Multiply.

9.	1.6×5.4	10.	0.004 × 0.009
11.	0.3×0.85	12.	22.5×0.66

Estimate and evaluate each expression and check for reasonableness of the answer.

13. $29 \div 40$ 14. $18.8 \div$
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15.	$0.52 \div 1.3$	16.	$0.96 \div 0.016$
	110	101	0.0010

Additional Work Area