

7th Grade
POP QUIZ

Practice 4-7 Exponents and Multiplication

Complete each equation.

1. $9^3 \cdot 9\text{---} = 9^7$	2. $6^8 \cdot 6\text{---} = 6^{17}$
3. $n\text{---} \cdot n^5 = n^{15}$	4. $(a\text{---})^8 = a^{24}$
5. $(c^4)\text{---} = c^{12}$	6. $r\text{---} \cdot r^{12} = r^{20}$

Simplify each expression.

7. $(z^3)^5$ <u> </u>	8. $-(m^4)^3$ <u> </u>
9. $(-3^2)^3$ <u> </u>	10. $(x^3)(x^4)$ <u> </u>
11. $y^4 \cdot y^5$ <u> </u>	12. $(-y^5)(y^2)$ <u> </u>
13. $(3y^2)(2y^3)$ <u> </u>	14. $3x^{12} \cdot 2x^3$ <u> </u>
15. $m^{30} \cdot m^{12}$ <u> </u>	16. $(x^4)(y^2)(x^2)$ <u> </u>
17. $(-6x^7)(-9x^{12})$ <u> </u>	18. $(h^4)^4$ <u> </u>