Quotient of Powers

**Number**

**Unit 3 Line Master 10**

Write each quotient as a power.

* 1. $3^{4}÷3^{1}=3^{}$
	2. $2^{4}÷2^{4}$
	3. $\frac{\left(-6\right)^{3}}{\left(-6\right)^{3}}$
	4. $4^{3}÷4^{2}$
	5. $10^{12}÷10^{6}$
	6. $(-3)^{5}÷(-3)^{5}$
	7. $\frac{\left(-6\right)^{3}}{(-6)^{2}}$
	8. $\frac{\left(4\right)^{3}}{(4^{1})}$
	9. $(-2)^{6}÷(-2)^{5}$
	10. ($-1)^{4}÷\left(-1\right)^{5}$
	11. $10^{6}÷10^{12}$
	12. $8^{3}÷8$
	13. $10^{11}÷10^{6}$
	14. $10^{6}÷10^{11}$
	15. $a^{m}÷ a^{n}$

What do you notice? What do you wonder?

Do you have any conjectures?