Product of Powers

**Number**

**Unit 3 Line Master 6**

Write each product as a power.

* 1. $5^{2}×5^{3}=5^{}$
	2. $3^{4}∙3^{2}$
	3. $(4^{2})(4) $
	4. $8^{6}∙8^{15}$
	5. $(-2)^{0}×(-2)^{5}$
	6. $(-6)^{3}∙(-6)^{2}$
	7. $(-1)^{3}(-1)^{8}$
	8. $5^{-1}∙5^{2}$
	9. $3^{-2}∙3^{4}$
	10. $ 2^{-3}×2^{-3}$
	11. $ 4^{3}×2^{-1}$
	12. $ 7^{-3}×7^{11}×7^{2}$
	13. $ x^{6}∙x^{5}$
	14. $y^{-2}∙y^{5}$
	15. $ a^{m}∙a^{n}$

What do you notice? What do you wonder?

Do you have any conjectures?