

Lesson 4 Skills Practice

Powers of Monomials

Simplify.

1. $(7^2)^3$

2. $(3^2)^6$

3. $(8^3)^2$

4. $(9^4)^2$

5. $(d^7)^6$

6. $(m^5)^5$

7. $(h^6)^3$

8. $(z^7)^3$

9. $[(4^3)^2]^2$

10. $(-5a^2b^7)^7$

11. $(2m^5g^{11})^6$

12. $[(2^3)^3]^2$

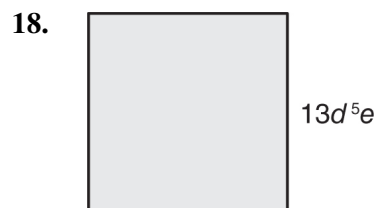
13. $(7a^5b^6)^4$

14. $(7m^3n^{11})^5$

15. $(-3w^3z^8)^5$

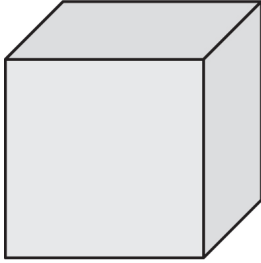
16. $(-7r^4s^{10})^4$

GEOMETRY Express the area of each square below as a monomial.



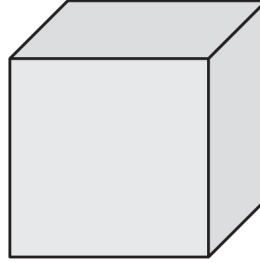
GEOMETRY Express the volume of each cube below as a monomial.

19.



$$7c^5d^2$$

20.



$$6r^7s^8$$