



Use the law of exponents to rewrite each problem.

**Answers**

1)  $7^0 =$  \_\_\_\_\_

2)  $(\frac{1}{3})^3 =$  \_\_\_\_\_

1. \_\_\_\_\_

3)  $6^2 \times 6^3 =$  \_\_\_\_\_

4)  $(8 \times 3)^8 =$  \_\_\_\_\_

2. \_\_\_\_\_

5)  $(\frac{1}{8})^7 =$  \_\_\_\_\_

6)  $4^{-8} =$  \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

7)  $(7 \times 9)^8 =$  \_\_\_\_\_

8)  $3^0 =$  \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

9)  $(2^5)^4 =$  \_\_\_\_\_

10)  $4^1 =$  \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

11)  $7^9 \times 7^6 =$  \_\_\_\_\_

12)  $(7^3)^5 =$  \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

13)  $6^6 \times 6^{-9} =$  \_\_\_\_\_

14)  $(7^3)^5 =$  \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

15)  $5^0 =$  \_\_\_\_\_

16)  $(3 \times 6)^7 =$  \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

17)  $5^1 =$  \_\_\_\_\_

18)  $8^5 \times 8^{-9} =$  \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

19)  $4^8 \times 4^{-3} =$  \_\_\_\_\_

20)  $4^1 =$  \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_



Use the law of exponents to rewrite each problem.

1)  $7^0 = \underline{1}$

2)  $(\frac{1}{3})^3 = \underline{\frac{1}{3^3}}$

3)  $6^2 \times 6^3 = \underline{6^5}$

4)  $(8 \times 3)^8 = \underline{8^8 \times 3^8}$

5)  $(\frac{1}{8})^7 = \underline{\frac{1}{8^7}}$

6)  $4^{-8} = \underline{\frac{1}{4^8}}$

7)  $(7 \times 9)^8 = \underline{7^8 \times 9^8}$

8)  $3^0 = \underline{1}$

9)  $(2^5)^4 = \underline{2^{20}}$

10)  $4^1 = \underline{4}$

11)  $7^9 \times 7^6 = \underline{7^{15}}$

12)  $(7^3)^5 = \underline{7^{15}}$

13)  $6^6 \times 6^{-9} = \underline{6^{-3}}$

14)  $(7^3)^5 = \underline{7^{15}}$

15)  $5^0 = \underline{1}$

16)  $(3 \times 6)^7 = \underline{3^7 \times 6^7}$

17)  $5^1 = \underline{5}$

18)  $8^5 \times 8^{-9} = \underline{8^{-4}}$

19)  $4^8 \times 4^{-3} = \underline{4^5}$

20)  $4^1 = \underline{4}$

Answers

1. 1

2.  $\frac{1}{3^3}$

3.  $6^5$

4.  $8^8 \times 3^8$

5.  $\frac{1}{8^7}$

6.  $\frac{1}{4^8}$

7.  $7^8 \times 9^8$

8. 1

9.  $2^{20}$

10. 4

11.  $7^{15}$

12.  $7^{15}$

13.  $6^{-3}$

14.  $7^{15}$

15. 1

16.  $3^7 \times 6^7$

17. 5

18.  $8^{-4}$

19.  $4^5$

20. 4