



Use the law of exponents to rewrite each problem.

Answers

1) $3^0 =$ _____

2) $3^3 \times 3^{-5} =$ _____

1. _____

3) $(\frac{1}{7})^3 =$ _____

4) $(7 \times 2)^2 =$ _____

2. _____

5) $(8 \times 3)^9 =$ _____

6) $(\frac{1}{4})^8 =$ _____

3. _____

4. _____

7) $8^0 =$ _____

8) $7^8 \times 7^5 =$ _____

5. _____

6. _____

9) $5^3 \times 5^2 =$ _____

10) $4^{-8} =$ _____

7. _____

8. _____

9. _____

11) $7^1 =$ _____

12) $(8 \times 6)^9 =$ _____

10. _____

11. _____

13) $4^8 \times 4^{-7} =$ _____

14) $4^4 \times 4^3 =$ _____

12. _____

13. _____

15) $(8^4)^3 =$ _____

16) $6^3 \times 6^{-9} =$ _____

14. _____

15. _____

17) $3^0 =$ _____

18) $6^1 =$ _____

16. _____

17. _____

19) $8^{-5} =$ _____

20) $(5^3)^5 =$ _____

18. _____

19. _____

20. _____



Use the law of exponents to rewrite each problem.

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

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

3) $(\frac{1}{7})^3 = \underline{\frac{1}{7^3}}$

4) $(7 \times 2)^2 = \underline{7^2 \times 2^2}$

5) $(8 \times 3)^9 = \underline{8^9 \times 3^9}$

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

7) $8^0 = \underline{1}$

8) $7^8 \times 7^5 = \underline{7^{13}}$

9) $5^3 \times 5^2 = \underline{5^5}$

10) $4^{-8} = \underline{\frac{1}{4^8}}$

11) $7^1 = \underline{7}$

12) $(8 \times 6)^9 = \underline{8^9 \times 6^9}$

13) $4^8 \times 4^{-7} = \underline{4^1}$

14) $4^4 \times 4^3 = \underline{4^7}$

15) $(8^4)^3 = \underline{8^{12}}$

16) $6^3 \times 6^{-9} = \underline{6^{-6}}$

17) $3^0 = \underline{1}$

18) $6^1 = \underline{6}$

19) $8^{-5} = \underline{\frac{1}{8^5}}$

20) $(5^3)^5 = \underline{5^{15}}$

Answers

1. $\underline{1}$

2. $\underline{3^{-2}}$

3. $\underline{\frac{1}{7^3}}$

4. $\underline{7^2 \times 2^2}$

5. $\underline{8^9 \times 3^9}$

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

7. $\underline{1}$

8. $\underline{7^{13}}$

9. $\underline{5^5}$

10. $\underline{\frac{1}{4^8}}$

11. $\underline{7}$

12. $\underline{8^9 \times 6^9}$

13. $\underline{4^1}$

14. $\underline{4^7}$

15. $\underline{8^{12}}$

16. $\underline{6^{-6}}$

17. $\underline{1}$

18. $\underline{6}$

19. $\underline{\frac{1}{8^5}}$

20. $\underline{5^{15}}$