



Use the law of exponents to rewrite each problem.

Answers

1) $6^4 \times 6^6 =$ _____

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

3) $9^4 \times 9^{-9} =$ _____

4) $(1/5)^2 =$ _____

5) $2^1 =$ _____

6) $7^1 =$ _____

7) $(9^4)^9 =$ _____

8) $(4 \times 8)^4 =$ _____

9) $(6 \times 3)^9 =$ _____

10) $2^0 =$ _____

11) $(8^9)^2 =$ _____

12) $3^0 =$ _____

13) $(2^5)^8 =$ _____

14) $(1/9)^2 =$ _____

15) $5^{-4} =$ _____

16) $3^4 \times 3^{-8} =$ _____

17) $4^0 =$ _____

18) $2^{-8} =$ _____

19) $9^9 \times 9^4 =$ _____

20) $2^3 \times 2^3 =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____



Use the law of exponents to rewrite each problem.

1) $6^4 \times 6^6 = \underline{6^{4+6}}$

2) $5^{-3} = \underline{1/5^3}$

3) $9^4 \times 9^{-9} = \underline{9^{4-9}}$

4) $(1/5)^2 = \underline{1/5^2}$

5) $2^1 = \underline{2}$

6) $7^1 = \underline{7}$

7) $(9^4)^9 = \underline{9^{4 \times 9}}$

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

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

10) $2^0 = \underline{1}$

11) $(8^9)^2 = \underline{8^{9 \times 2}}$

12) $3^0 = \underline{1}$

13) $(2^5)^8 = \underline{2^{5 \times 8}}$

14) $(1/9)^2 = \underline{1/9^2}$

15) $5^{-4} = \underline{1/5^4}$

16) $3^4 \times 3^{-8} = \underline{3^{4-8}}$

17) $4^0 = \underline{1}$

18) $2^{-8} = \underline{1/2^8}$

19) $9^9 \times 9^4 = \underline{9^{9+4}}$

20) $2^3 \times 2^3 = \underline{2^{3+3}}$

Answers

1. $\underline{6^{4+6}}$

2. $\underline{1/5^3}$

3. $\underline{9^{4-9}}$

4. $\underline{1/5^2}$

5. $\underline{2}$

6. $\underline{7}$

7. $\underline{9^{4 \times 9}}$

8. $\underline{4^4 \times 8^4}$

9. $\underline{6^9 \times 3^9}$

10. $\underline{1}$

11. $\underline{8^{9 \times 2}}$

12. $\underline{1}$

13. $\underline{2^{5 \times 8}}$

14. $\underline{1/9^2}$

15. $\underline{1/5^4}$

16. $\underline{3^{4-8}}$

17. $\underline{1}$

18. $\underline{1/2^8}$

19. $\underline{9^{9+4}}$

20. $\underline{2^{3+3}}$



Use the law of exponents to rewrite each problem.

Answers

1) $6^4 \times 6^6 =$ _____

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

3) $9^4 \times 9^{-9} =$ _____

4) $(\frac{1}{5})^2 =$ _____

5) $2^1 =$ _____

6) $7^1 =$ _____

7) $(9^4)^9 =$ _____

8) $(4 \times 8)^4 =$ _____

9) $(6 \times 3)^9 =$ _____

10) $2^0 =$ _____

11) $(8^9)^2 =$ _____

12) $3^0 =$ _____

1. _____
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