



Use the law of exponents to rewrite each problem.

Answers

1) $6^1 =$ _____

2) $7^0 =$ _____

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

4) $(7^8)^2 =$ _____

5) $(2^4)^9 =$ _____

6) $(7^2)^6 =$ _____

7) $(8 \times 3)^8 =$ _____

8) $3^5 \times 3^7 =$ _____

9) $(5 \times 6)^7 =$ _____

10) $8^1 =$ _____

11) $6^7 \times 6^7 =$ _____

12) $9^3 \times 9^{-9} =$ _____

13) $9^8 \times 9^{-9} =$ _____

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

15) $2^3 \times 2^{-5} =$ _____

16) $2^3 \times 2^6 =$ _____

17) $5^0 =$ _____

18) $8^{-9} =$ _____

19) $9^0 =$ _____

20) $(8 \times 3)^4 =$ _____

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

2) $7^0 = \underline{1}$

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

4) $(7^8)^2 = \underline{7^{8 \times 2}}$

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

6) $(7^2)^6 = \underline{7^{2 \times 6}}$

7) $(8 \times 3)^8 = \underline{8^8 \times 3^8}$

8) $3^5 \times 3^7 = \underline{3^{5+7}}$

9) $(5 \times 6)^7 = \underline{5^7 \times 6^7}$

10) $8^1 = \underline{8}$

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

12) $9^3 \times 9^{-9} = \underline{9^{3-9}}$

13) $9^8 \times 9^{-9} = \underline{9^{8-9}}$

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

15) $2^3 \times 2^{-5} = \underline{2^{3-5}}$

16) $2^3 \times 2^6 = \underline{2^{3+6}}$

17) $5^0 = \underline{1}$

18) $8^{-9} = \underline{\frac{1}{8^9}}$

19) $9^0 = \underline{1}$

20) $(8 \times 3)^4 = \underline{8^4 \times 3^4}$

Answers

1. $\underline{6}$

2. $\underline{1}$

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

4. $\underline{7^{8 \times 2}}$

5. $\underline{2^{4 \times 9}}$

6. $\underline{7^{2 \times 6}}$

7. $\underline{8^8 \times 3^8}$

8. $\underline{3^{5+7}}$

9. $\underline{5^7 \times 6^7}$

10. $\underline{8}$

11. $\underline{6^{7+7}}$

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

13. $\underline{9^{8-9}}$

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

15. $\underline{2^{3-5}}$

16. $\underline{2^{3+6}}$

17. $\underline{1}$

18. $\underline{\frac{1}{8^9}}$

19. $\underline{1}$

20. $\underline{8^4 \times 3^4}$



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11) $6^7 \times 6^7 =$ _____

12) $9^3 \times 9^{-9} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____