



Use the law of exponents to rewrite each problem.

Answers

1) $(3 \times 4)^5 =$ _____

2) $2^4 \times 2^{-3} =$ _____

3) $5^1 =$ _____

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

5) $8^{-6} =$ _____

6) $4^6 \times 4^9 =$ _____

7) $(6^8)^7 =$ _____

8) $2^6 \times 2^{-4} =$ _____

9) $(6^7)^6 =$ _____

10) $8^5 \times 8^{-5} =$ _____

11) $7^8 \times 7^7 =$ _____

12) $9^0 =$ _____

13) $8^6 \times 8^4 =$ _____

14) $6^1 =$ _____

15) $2^{-6} =$ _____

16) $(6 \times 9)^6 =$ _____

17) $(5 \times 4)^7 =$ _____

18) $(\frac{1}{9})^9 =$ _____

19) $7^1 =$ _____

20) $(\frac{1}{9})^8 =$ _____

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) $(3 \times 4)^5 = \underline{3^5 \times 4^5}$

2) $2^4 \times 2^{-3} = \underline{2^{4-3}}$

3) $5^1 = \underline{5}$

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

5) $8^{-6} = \underline{\frac{1}{8^6}}$

6) $4^6 \times 4^9 = \underline{4^{6+9}}$

7) $(6^8)^7 = \underline{6^{8 \times 7}}$

8) $2^6 \times 2^{-4} = \underline{2^{6-4}}$

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

10) $8^5 \times 8^{-5} = \underline{8^{5-5}}$

11) $7^8 \times 7^7 = \underline{7^{8+7}}$

12) $9^0 = \underline{1}$

13) $8^6 \times 8^4 = \underline{8^{6+4}}$

14) $6^1 = \underline{6}$

15) $2^{-6} = \underline{\frac{1}{2^6}}$

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

17) $(5 \times 4)^7 = \underline{5^7 \times 4^7}$

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

19) $7^1 = \underline{7}$

20) $(\frac{1}{9})^8 = \underline{\frac{1}{9^8}}$

Answers

1. $\underline{3^5 \times 4^5}$

2. $\underline{2^{4-3}}$

3. $\underline{5}$

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

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

6. $\underline{4^{6+9}}$

7. $\underline{6^{8 \times 7}}$

8. $\underline{2^{6-4}}$

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

10. $\underline{8^{5-5}}$

11. $\underline{7^{8+7}}$

12. $\underline{1}$

13. $\underline{8^{6+4}}$

14. $\underline{6}$

15. $\underline{\frac{1}{2^6}}$

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

17. $\underline{5^7 \times 4^7}$

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

19. $\underline{7}$

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



Use the law of exponents to rewrite each problem.

Answers

1) $(3 \times 4)^5 =$ _____

2) $2^4 \times 2^{-3} =$ _____

3) $5^1 =$ _____

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

5) $8^{-6} =$ _____

6) $4^6 \times 4^9 =$ _____

7) $(6^8)^7 =$ _____

8) $2^6 \times 2^{-4} =$ _____

9) $(6^7)^6 =$ _____

10) $8^5 \times 8^{-5} =$ _____

11) $7^8 \times 7^7 =$ _____

12) $9^0 =$ _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____