

Exponents Rules

Name: _____

Date: _____

Rewrite each expression using product rule.

1) $2^2 \times 2^2 = \underline{2^4}$

2) $6^4 \times 6^7 = \underline{\hspace{2cm}}$

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

4) $12^2 \times 12^3 = \underline{\hspace{2cm}}$

5) $4^2 \times 4^4 = \underline{\hspace{2cm}}$

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

7) $3^3 \times 3^5 = \underline{\hspace{2cm}}$

8) $5^6 \times 5^7 = \underline{\hspace{2cm}}$

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

10) $10^7 \times 10^7 = \underline{\hspace{2cm}}$

11) $5^5 \times 5^6 = \underline{\hspace{2cm}}$

12) $3^5 \times 3^4 = \underline{\hspace{2cm}}$

13) $7^3 \times 7^3 = \underline{\hspace{2cm}}$

14) $9^2 \times 9^6 = \underline{\hspace{2cm}}$

15) $6^2 \times 6^3 = \underline{\hspace{2cm}}$

16) $8^4 \times 8^6 = \underline{\hspace{2cm}}$

17) $2^5 \times 2^3 = \underline{\hspace{2cm}}$

18) $5^8 \times 5^3 = \underline{\hspace{2cm}}$

19) $3^3 \times 3^4 = \underline{\hspace{2cm}}$

20) $2^5 \times 2^3 = \underline{\hspace{2cm}}$

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Rewrite each expression using product rule.

1) $2^2 \times 2^2 = \underline{2^4}$

2) $6^4 \times 6^7 = \underline{12^{11}}$

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

4) $12^2 \times 12^3 = \underline{12^5}$

5) $4^2 \times 4^4 = \underline{4^6}$

6) $2^8 \times 2^4 = \underline{2^{12}}$

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

8) $5^6 \times 5^7 = \underline{5^{13}}$

9) $2^3 \times 2^3 = \underline{2^6}$

10) $10^7 \times 10^7 = \underline{10^{14}}$

11) $5^5 \times 5^6 = \underline{5^{11}}$

12) $3^5 \times 3^4 = \underline{3^9}$

13) $7^3 \times 7^3 = \underline{7^6}$

14) $9^2 \times 9^6 = \underline{9^8}$

15) $6^2 \times 6^3 = \underline{6^5}$

16) $8^4 \times 8^6 = \underline{8^{10}}$

17) $2^5 \times 2^3 = \underline{2^8}$

18) $5^8 \times 5^3 = \underline{5^{11}}$

19) $3^3 \times 3^4 = \underline{3^7}$

20) $2^5 \times 2^3 = \underline{2^8}$