

Name _____

Multiplying Exponents

Multiply the exponents with the same base and
Write the answer as a single exponent.

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

2) $3^4 \times 3^2 = \underline{3^6}$

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

4) $4^3 \times 4^1 = \underline{4^4}$

5) $3^4 \times 3^7 = \underline{3^{11}}$

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

7) $7^0 \times 7^4 = \underline{7^4}$

8) $2^3 \times 2^6 = \underline{2^9}$

9) $8^{12} \times 8^3 = \underline{8^{15}}$

10) $10^4 \times 10^1 = \underline{10^5}$

11) $8^2 \times 8^7 = \underline{8^9}$

12) $12^3 \times 12^4 = \underline{12^7}$

13) $4^2 \times 4^7 = \underline{4^9}$

14) $6^3 \times 6^5 = \underline{6^8}$

15) $5^2 \times 5^7 = \underline{5^9}$

16) $9^3 \times 9^0 = \underline{9^3}$

17) $5^3 \times 5^4 = \underline{5^7}$

18) $8^3 \times 8^7 = \underline{8^{10}}$

19) $6^3 \times 6^6 = \underline{6^9}$

20) $3^7 \times 3^4 = \underline{3^{11}}$