Rewriting Exponents using Repeated Multiplication

Grade 5 Exponents Worksheet

Date:_____   Name:_____

LET'S MAKE LEARNING FUN

Rewrite the following exponents using repeated multiplication and give the value of the exponents.

Example: $2^5 = \underline{2 \times 2 \times 2 \times 2 \times 2 = \mathbf{\color{red}32}}$

1. $4^2 = $ _____.

2. $3^4 = $ _____.

3. $5^3 = $ _____.

4. $7^2 = $ _____.

5. $10^3 = $ _____.

6. $3^6 = $ _____.

7. $4^5 = $ _____.

8. $11^3 = $ _____.

9. $15^2 = $ _____.

10. $2^6 = $ _____.

11. $3^3 = $ _____.

12. $5^4 = $ _____.

13. $7^3 = $ _____.

14. $12^2 = $ _____.

Grade 5 Exponents Answer Sheet

Rewrite the following exponents using repeated multiplication and give the value of the exponents.

Example: $2^5 = \underline{2 \times 2 \times 2 \times 2 \times 2 = \textbf{\textcolor{red}{32}}}$.

1. $4^2 = \underline{4 \times 4 = \textbf{\textcolor{red}{16}}}$.

2. $3^4 = \underline{3 \times 3 \times 3 \times 3 = \textbf{\textcolor{red}{81}}}$.

3. $5^3 = \underline{5 \times 5 \times 5 = \textbf{\textcolor{red}{125}}}$.

4. $7^2 = \underline{7 \times 7 = \textbf{\textcolor{red}{49}}}$.

5. $10^3 = \underline{10 \times 10 \times 10 = \textbf{\textcolor{red}{1,000}}}$.

6. $3^6 = \underline{3 \times 3 \times 3 \times 3 \times 3 \times 3 = \textbf{\textcolor{red}{729}}}$.

7. $4^5 = \underline{4 \times 4 \times 4 \times 4 \times 4 = \textbf{\textcolor{red}{1,024}}}$.

8. $11^3 = \underline{11 \times 11 \times 11 = \textbf{\textcolor{red}{1,331}}}$.

9. $15^2 = \underline{15 \times 15 = \textbf{\textcolor{red}{225}}}$.

10. $2^6 = \underline{2 \times 2 \times 2 \times 2 \times 2 \times 2 = \textbf{\textcolor{red}{64}}}$.

11. $3^3 = \underline{3 \times 3 \times 3 = \textbf{\textcolor{red}{27}}}$.

12. $5^4 = \underline{5 \times 5 \times 5 \times 5 = \textbf{\textcolor{red}{625}}}$.

13. $7^3 = \underline{7 \times 7 \times 7 = \textbf{\textcolor{red}{343}}}$.

14. $12^2 = \underline{12 \times 12 = \textbf{\textcolor{red}{144}}}$.