Repeated Multiplications using Exponents

Grade 5 Exponents Worksheet
Date:_____   Name:_____

LET'S LEARN THE SMART WAY

Write each of the following using exponents.

1. $32 \times 32 \times 32 \times 32 \ = \ \mathbf{32^4}$_____

2. $60 \times 60 \times 60 \times 60 \times 60 =$ _____

3. $18 \times 18 \times 18 \times 18 \times 18 \times 18 \times 18 \times 18 =$ _____

4. $21 \times 21 \times 21 \times 21 \times 21 \times 21 \times 21 \times 21 \times 21 \times 21 =$ _____

5. $6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 =$ _____

6. $15 \times 15 \times 15 \times 15 \times 15 =$ _____

7. $74 \times 74 \times 74 \times 74 \times 74 \times 74 \times 74 \times 74 \times 74 \times 74 =$ _____

8. $3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times \times 3 \times 3 =$ _____

9. $49 \times 49 \times 49 \times 49 \times 49 \times 49 \times 49 =$ _____

10. $51 \times 51 \times 51 \times 51 =$ _____

11. $43 \times 43 \times 43 \times 43 \times 43 \times 43 \times 43 =$ _____

12. $9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 =$ _____

Repeated Multiplications using Exponents

Grade 5 Exponents Answer Sheet

1. $32 \times 32 \times 32 \times 32 = \mathbf{32^4}$ _____

2. $60 \times 60 \times 60 \times 60 \times 60 = \mathbf{60^5}$ _____

3. $18 \times 18 \times 18 \times 18 \times 18 \times 18 \times 18 \times 18 = \mathbf{18^8}$ _____

4. $21 \times 21 \times 21 \times 21 \times 21 \times 21 \times 21 \times 21 \times 21 \times 21 = \mathbf{21^{10}}$ _____

5. $6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 = \mathbf{6^{10}}$ _____

6. $15 \times 15 \times 15 \times 15 \times 15 = \mathbf{15^5}$ _____

7. $74 \times 74 \times 74 \times 74 \times 74 \times 74 \times 74 \times 74 \times 74 \times 74 = \mathbf{74^{10}}$ _____

8. $3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 = \mathbf{3^{12}}$ _____

9. $49 \times 49 \times 49 \times 49 \times 49 \times 49 \times 49 = \mathbf{49^7}$ _____

10. $51 \times 51 \times 51 \times 51 = \mathbf{51^4}$ _____

11. $43 \times 43 \times 43 \times 43 \times 43 \times 43 \times 43 = \mathbf{43^7}$ _____

12. $9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 = \mathbf{9^8}$ _____

KEY TAKEAWAYS!

- Count carefully before writing the exponents.