



# Repeated Multiplications using Exponents

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Grade 5 Exponents Worksheet

Date: \_\_\_\_\_

Name: \_\_\_\_\_

## LET'S LEARN THE SMART WAY

Write each of the following using exponents.

1.  $2 \times 2 \times 2 \times 2 \times 2 = 2^5$  \_\_\_\_\_

2.  $8 \times 8 \times 8 \times 8 \times 8 \times 8 =$  \_\_\_\_\_

3.  $59 \times 59 \times 59 =$  \_\_\_\_\_

4.  $4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 =$  \_\_\_\_\_

5.  $100 \times 100 \times 100 \times 100 \times 100 =$  \_\_\_\_\_

6.  $1 \times 1 \times 1 =$  \_\_\_\_\_

7.  $35 \times 35 \times 35 \times 35 \times 35 \times 35 \times 35 \times 35 =$  \_\_\_\_\_

8.  $26 \times 26 \times 26 \times 26 \times 26 \times 26 \times 26 =$  \_\_\_\_\_

9.  $33 \times 33 \times 33 \times 33 \times 33 =$  \_\_\_\_\_

10.  $16 \times 16 \times 16 \times 16 \times 16 \times 16 \times 16 =$  \_\_\_\_\_

11.  $8 \times 8 \times 8 \times 8 =$  \_\_\_\_\_

12.  $64 \times 64 \times 64 \times 64 \times 64 \times 64 \times 64 \times 64 \times 64 =$  \_\_\_\_\_



## Repeated Multiplications using Exponents

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Grade 5 Exponents Answer Sheet

1.  $2 \times 2 \times 2 \times 2 \times 2 = \underline{2^5}$

2.  $8 \times 8 \times 8 \times 8 \times 8 \times 8 = \underline{8^6}$

3.  $59 \times 59 \times 59 = \underline{59^3}$

4.  $4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 = \underline{4^8}$

5.  $100 \times 100 \times 100 \times 100 \times 100 = \underline{100^5}$

6.  $1 \times 1 \times 1 = \underline{1^3}$

7.  $35 \times 35 \times 35 \times 35 \times 35 \times 35 \times 35 \times 35 = \underline{35^8}$

8.  $26 \times 26 \times 26 \times 26 \times 26 \times 26 \times 26 = \underline{26^7}$

9.  $33 \times 33 \times 33 \times 33 \times 33 = \underline{33^5}$

10.  $16 \times 16 \times 16 \times 16 \times 16 \times 16 \times 16 = \underline{16^7}$

11.  $8 \times 8 \times 8 \times 8 = \underline{8^4}$

12.  $64 \times 64 \times 64 \times 64 \times 64 \times 64 \times 64 \times 64 \times 64 = \underline{64^9}$

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### KEY TAKEAWAYS!

- Count carefully before writing the exponents.