

Exponents

Grade 5 Exponents Worksheet

Exponent

Base → $2^3 = 2 \times 2 \times 2$

Exponents are used to express repeated multiplication of a number.
The exponent tells us how many times the base is multiplied by itself.

Rewrite the following exponents using repeated multiplication and calculate the value.

For example, $3^2 = 3 \times 3 = 9$

1. 4^2

3. 3^3

2. 2^8

4. 5^4

Rewrite the following expressions using exponents.

For example, $5 \times 5 = 5^2$

5. $8 \times 8 \times 8$

7. $6 \times 6 \times 6 \times 6 \times 6$

6. $7 \times 7 \times 7 \times 7$

8. $5 \times 5 \times 5$



Answers

1. $4 \times 4 = 16$

2. $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 = 256$

3. $3 \times 3 \times 3 = 27$

4. $5 \times 5 \times 5 \times 5 = 625$

5. 8^3

6. 7^4

7. 6^5

8. 5^3