

Exponents

Grade 5 Exponents Worksheet

Exponent

Base \longrightarrow $2^3 = 2 \times 2 \times 2$

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. 11^2

3. 3^4

2. 7^2

4. 9^3

Rewrite the following expressions using exponents.

5. $5 \times 5 \times 5 \times 5 \times 5$

7. 18×18

6. $6 \times 6 \times 6$

8. $4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4$



Answers

1. $11 \times 11 = 121$

2. $7 \times 7 = 49$

3. $3 \times 3 \times 3 \times 3 = 81$

4. $9 \times 9 \times 9 = 729$

5. 5^5

6. 6^3

7. 18^2

8. 4^7