

Examples:

$$3^{-2} = \frac{1}{3^2} = \frac{1}{9}$$

$$5^{-3} = \frac{1}{5^3} = \frac{1}{125}$$

$$2^{-7} = \frac{1}{2^7} = \frac{1}{128}$$

$$(-2)^{-3} = \frac{1}{(-2)^3} = -\frac{1}{8}$$

Find the value of:

1. $2^{-2} = \frac{1}{4}$

8. $8^{-3} = \frac{1}{512}$

2. $3^{-4} = \frac{1}{81}$

9. $11^{-2} = \frac{1}{121}$

3. $10^{-2} = \frac{1}{100}$

10. $9^{-3} = \frac{1}{729}$

4. $5^{-2} = \frac{1}{25}$

11. $13^{-1} = \frac{1}{13}$

5. $2^{-4} = \frac{1}{16}$

12. $(-8)^{-2} = \frac{1}{64}$

6. $1^{-6} = 1$

13. $(-3)^{-3} = -\frac{1}{27}$

7. $7^{-2} = \frac{1}{49}$

14. $(-2)^{-5} = -\frac{1}{32}$