

Evaluate the Exponents

Name: _____

Date: _____

Solve the following expressions.

1) $14^{-3} =$ _____

2) $2^{-5} =$ _____

3) $8^{-4} =$ _____

4) $4^{-5} =$ _____

5) $4^{-7} =$ _____

6) $12^{-3} =$ _____

7) $11^{-3} =$ _____

8) $2^{-8} =$ _____

9) $8^{-4} =$ _____

10) $4^{-8} =$ _____

11) $13^{-3} =$ _____

12) $10^0 =$ _____

13) $5^{-5} =$ _____

14) $13^{-4} =$ _____

15) $7^{-4} =$ _____

16) $3^{-6} =$ _____

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Solve the following expressions.

$$1) \quad 14^{-3} = \frac{\left(\frac{1}{2744}\right)}{\underline{\hspace{2cm}}}$$

$$2) \quad 2^{-5} = \frac{\left(\frac{1}{32}\right)}{\underline{\hspace{2cm}}}$$

$$3) \quad 8^{-4} = \frac{\left(\frac{1}{4096}\right)}{\underline{\hspace{2cm}}}$$

$$4) \quad 4^{-5} = \frac{\left(\frac{1}{1024}\right)}{\underline{\hspace{2cm}}}$$

$$5) \quad 4^{-7} = \frac{\left(\frac{1}{16384}\right)}{\underline{\hspace{2cm}}}$$

$$6) \quad 12^{-3} = \frac{\left(\frac{1}{1728}\right)}{\underline{\hspace{2cm}}}$$

$$7) \quad 11^{-3} = \frac{\left(\frac{1}{1331}\right)}{\underline{\hspace{2cm}}}$$

$$8) \quad 2^{-8} = \frac{\left(\frac{1}{256}\right)}{\underline{\hspace{2cm}}}$$

$$9) \quad 8^{-4} = \frac{\left(\frac{1}{4096}\right)}{\underline{\hspace{2cm}}}$$

$$10) \quad 4^{-8} = \frac{\left(\frac{1}{65536}\right)}{\underline{\hspace{2cm}}}$$

$$11) \quad 13^{-3} = \frac{\left(\frac{1}{2197}\right)}{\underline{\hspace{2cm}}}$$

$$12) \quad 10^0 = \frac{1}{\underline{\hspace{2cm}}}$$

$$13) \quad 5^{-5} = \frac{\left(\frac{1}{3125}\right)}{\underline{\hspace{2cm}}}$$

$$14) \quad 13^{-4} = \frac{\left(\frac{1}{28561}\right)}{\underline{\hspace{2cm}}}$$

$$15) \quad 7^{-4} = \frac{\left(\frac{1}{2401}\right)}{\underline{\hspace{2cm}}}$$

$$16) \quad 3^{-6} = \frac{\left(\frac{1}{729}\right)}{\underline{\hspace{2cm}}}$$