

Evaluate the Exponents

Name: _____

Date: _____

Solve the following expressions.

1) $2^{-10} =$ _____

2) $5^{-3} =$ _____

3) $7^{-4} =$ _____

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

5) $3^{-5} =$ _____

6) $13^0 =$ _____

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

8) $2^{-12} =$ _____

9) $5^{-3} =$ _____

10) $4^{-7} =$ _____

11) $7^{-4} =$ _____

12) $8^{-5} =$ _____

13) $15^0 =$ _____

14) $11^{-2} =$ _____

15) $17^{-1} =$ _____

16) $13^{-3} =$ _____

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Solve the following expressions.

$$1) \quad 2^{-10} = \frac{\left(\frac{1}{1024}\right)}{\underline{\hspace{2cm}}}$$

$$2) \quad 5^{-3} = \frac{\left(\frac{1}{125}\right)}{\underline{\hspace{2cm}}}$$

$$3) \quad 7^{-4} = \frac{\left(\frac{1}{2401}\right)}{\underline{\hspace{2cm}}}$$

$$4) \quad 9^{-4} = \frac{\left(\frac{1}{6561}\right)}{\underline{\hspace{2cm}}}$$

$$5) \quad 3^{-5} = \frac{\left(\frac{1}{243}\right)}{\underline{\hspace{2cm}}}$$

$$6) \quad 13^0 = \frac{1}{\underline{\hspace{2cm}}}$$

$$7) \quad 4^{-4} = \frac{\left(\frac{1}{256}\right)}{\underline{\hspace{2cm}}}$$

$$8) \quad 2^{-12} = \frac{\left(\frac{1}{4096}\right)}{\underline{\hspace{2cm}}}$$

$$9) \quad 5^{-3} = \frac{\left(\frac{1}{125}\right)}{\underline{\hspace{2cm}}}$$

$$10) \quad 4^{-7} = \frac{\left(\frac{1}{16384}\right)}{\underline{\hspace{2cm}}}$$

$$11) \quad 7^{-4} = \frac{\left(\frac{1}{2401}\right)}{\underline{\hspace{2cm}}}$$

$$12) \quad 8^{-5} = \frac{\left(\frac{1}{32768}\right)}{\underline{\hspace{2cm}}}$$

$$13) \quad 15^0 = \frac{1}{\underline{\hspace{2cm}}}$$

$$14) \quad 11^{-2} = \frac{\left(\frac{1}{121}\right)}{\underline{\hspace{2cm}}}$$

$$15) \quad 17^{-1} = \frac{\left(\frac{1}{17}\right)}{\underline{\hspace{2cm}}}$$

$$16) \quad 13^{-3} = \frac{\left(\frac{1}{2197}\right)}{\underline{\hspace{2cm}}}$$