

Evaluate the Exponents

Name: _____

Date: _____

Solve the following expressions.

1) $1^{20} + \left(\frac{1}{5}\right)^2 =$ _____

2) $2.86^1 \times 2^3 =$ _____

3) $2^5 \div \left(\frac{1}{4}\right)^2 =$ _____

4) $\left(\frac{0}{2}\right)^2 + \left(\frac{1}{2}\right)^2 =$ _____

5) $\left(\frac{3}{2}\right)^2 - 0.1^2 =$ _____

6) $9^2 \div 0.7^2 =$ _____

7) $\left(\frac{1}{3}\right)^2 \times 9^2 =$ _____

8) $1^3 + 0.6^3 =$ _____

9) $\left(\frac{5}{5}\right)^2 - \left(\frac{1}{5}\right)^2 =$ _____

10) $0.9^2 \times \left(\frac{2}{20}\right)^2 =$ _____

11) $4^3 - 1.7^0 =$ _____

12) $\left(\frac{1}{5}\right)^2 \times \left(\frac{2}{1}\right)^3 =$ _____

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Solve the following expressions.

$$1) \quad 1^{20} + \left(\frac{1}{5}\right)^2 = \underline{\underline{\frac{26}{25}}}$$

$$2) \quad 2.86^1 \times 2^3 = \underline{\underline{22.88}}$$

$$3) \quad 2^5 \div \left(\frac{1}{4}\right)^2 = \underline{\underline{512}}$$

$$4) \quad \left(\frac{0}{2}\right)^2 + \left(\frac{1}{2}\right)^2 = \underline{\underline{\frac{1}{4}}}$$

$$5) \quad \left(\frac{3}{2}\right)^2 - 0.1^2 = \underline{\underline{2.24}}$$

$$6) \quad 9^2 \div 0.7^2 = \underline{\underline{165.30}}$$

$$7) \quad \left(\frac{1}{3}\right)^2 \times 9^2 = \underline{\underline{9}}$$

$$8) \quad 1^3 + 0.6^3 = \underline{\underline{1.216}}$$

$$9) \quad \left(\frac{5}{5}\right)^2 - \left(\frac{1}{5}\right)^2 = \underline{\underline{\frac{24}{25}}}$$

$$10) \quad 0.9^2 \times \left(\frac{2}{20}\right)^2 = \underline{\underline{0.0081}}$$

$$11) \quad 4^3 - 1.7^0 = \underline{\underline{63}}$$

$$12) \quad \left(\frac{1}{5}\right)^2 \times \left(\frac{2}{1}\right)^3 = \underline{\underline{\frac{8}{25}}}$$