

Evaluate the Exponents

Name: _____

Date: _____

Solve the following expressions.

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

2) $5^3 + 0.7^2 =$ _____

3) $\left(\frac{25}{4}\right)^2 - (0.3)^2 =$ _____

4) $2^5 \div (0.25)^4 =$ _____

5) $\left(\frac{7}{3}\right)^2 - \left(\frac{1}{4}\right)^2 =$ _____

6) $3^5 + \left(\frac{4}{2}\right)^2 =$ _____

7) $0.61^2 \times 8^3 =$ _____

8) $0.5^2 \times \left(\frac{8}{9}\right)^2 =$ _____

9) $4.1^3 - 3^2 =$ _____

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

11) $4^5 \div \left(\frac{2}{5}\right)^2 =$ _____

12) $\left(\frac{1}{9}\right)^3 \times 4^2 =$ _____

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Solve the following expressions.

$$1) \left(\frac{3}{2}\right)^2 \times \left(\frac{3}{2}\right)^2 = \frac{81}{16}$$

$$2) 5^3 + 0.7^2 = 125.49$$

$$3) \left(\frac{25}{4}\right)^2 - (0.3)^2 = 38.97$$

$$4) 2^5 \div (0.25)^4 = 8192$$

$$5) \left(\frac{7}{3}\right)^2 - \left(\frac{1}{4}\right)^2 = \left(\frac{775}{144}\right)$$

$$6) 3^5 + \left(\frac{4}{2}\right)^2 = 247$$

$$7) 0.61^2 \times 8^3 = 190.51$$

$$8) 0.5^2 \times \left(\frac{8}{9}\right)^2 = 0.19$$

$$9) 4.1^3 - 3^2 = 59.9$$

$$10) \left(\frac{1}{5}\right)^2 + \left(\frac{3}{2}\right)^3 = \frac{683}{200}$$

$$11) 4^5 \div \left(\frac{2}{5}\right)^2 = 6400$$

$$12) \left(\frac{1}{9}\right)^3 \times 4^2 = \frac{16}{729}$$