

Evaluate the Exponents

Name: _____

Date: _____

Solve the following expressions.

1) $0.08^3 =$ _____

2) $\left(\frac{7}{8}\right)^3 =$ _____

3) $\left(\frac{9}{7}\right)^4 =$ _____

4) $3^6 =$ _____

5) $5^4 =$ _____

6) $\left(\frac{8}{5}\right)^2 =$ _____

7) $10^5 =$ _____

8) $0.3^5 =$ _____

9) $0.19^2 =$ _____

10) $0.32^2 =$ _____

11) $748^1 =$ _____

12) $0.07^2 =$ _____

13) $\left(\frac{4}{3}\right)^3 =$ _____

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

15) $0.3^3 =$ _____

16) $6^4 =$ _____

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|-----|------------------------------|---|--|-----|------------------------------|---|--|
| 1) | 0.08^3 | = | <u>0.000512</u> | 2) | $\left(\frac{7}{8}\right)^3$ | = | <u>$\left(\frac{343}{512}\right)$</u> |
| 3) | $\left(\frac{9}{7}\right)^4$ | = | <u>$\left(\frac{6561}{2401}\right)$</u> | 4) | 3^6 | = | <u>729</u> |
| 5) | 5^4 | = | <u>625</u> | 6) | $\left(\frac{8}{5}\right)^2$ | = | <u>$\left(\frac{64}{25}\right)$</u> |
| 7) | 10^5 | = | <u>100000</u> | 8) | 0.3^5 | = | <u>0.00243</u> |
| 9) | 0.19^2 | = | <u>0.0361</u> | 10) | 0.32^2 | = | <u>0.1024</u> |
| 11) | 748^1 | = | <u>748</u> | 12) | 0.07^2 | = | <u>0.0049</u> |
| 13) | $\left(\frac{4}{3}\right)^3$ | = | <u>$\left(\frac{64}{27}\right)$</u> | 14) | $\left(\frac{3}{2}\right)^2$ | = | <u>$\left(\frac{9}{4}\right)$</u> |
| 15) | 0.3^3 | = | <u>0.027</u> | 16) | 6^4 | = | <u>1296</u> |