

Exponents

Name: _____

Date: _____

Evaluate the Exponents.

1) $\left(-\frac{2}{8}\right)^4 =$ _____

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

3) $\left(\frac{10}{4}\right)^{-3} =$ _____

4) $\left(\frac{11}{2}\right)^3 =$ _____

5) $\left(\frac{5}{13}\right)^3 =$ _____

6) $\left(-\frac{4}{6}\right)^{-4} =$ _____

7) $\left(\frac{1}{3}\right)^8 =$ _____

8) $\left(\frac{7}{10}\right)^{-3} =$ _____

9) $\left(\frac{12}{7}\right)^{-3} =$ _____

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

11) $\left(-\frac{1}{2}\right)^{10} =$ _____

12) $\left(\frac{9}{14}\right)^3 =$ _____

13) $\left(\frac{6}{5}\right)^{-5} =$ _____

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

15) $\left(\frac{15}{6}\right)^3 =$ _____

16) $\left(-\frac{1}{4}\right)^6 =$ _____

17) $\left(\frac{3}{16}\right)^{-3} =$ _____

18) $\left(\frac{11}{12}\right)^3 =$ _____

Exponents

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Evaluate the Exponents.

1) $\left(-\frac{2}{8}\right)^4 = \frac{16}{4096}$

2) $\left(-\frac{9}{3}\right)^{-4} = \frac{81}{6561}$

3) $\left(\frac{10}{4}\right)^{-3} = \frac{64}{1000}$

4) $\left(\frac{11}{2}\right)^3 = \frac{1331}{8}$

5) $\left(\frac{5}{13}\right)^3 = \frac{2197}{125}$

6) $\left(-\frac{4}{6}\right)^{-4} = \frac{1296}{256}$

7) $\left(\frac{1}{3}\right)^8 = \frac{1}{6561}$

8) $\left(\frac{7}{10}\right)^{-3} = \frac{1000}{343}$

9) $\left(\frac{12}{7}\right)^{-3} = \frac{343}{1728}$

10) $\left(\frac{5}{2}\right)^5 = \frac{3125}{32}$

11) $\left(-\frac{1}{2}\right)^{10} = \frac{1}{1024}$

12) $\left(\frac{9}{14}\right)^3 = \frac{729}{2744}$

13) $\left(\frac{6}{5}\right)^{-5} = \frac{3125}{7776}$

14) $\left(\frac{3}{7}\right)^4 = \frac{81}{2401}$

15) $\left(\frac{15}{6}\right)^3 = \frac{3375}{216}$

16) $\left(-\frac{1}{4}\right)^6 = \frac{1}{4096}$

17) $\left(\frac{3}{16}\right)^{-3} = \frac{4096}{27}$

18) $\left(\frac{11}{12}\right)^3 = \frac{1331}{1728}$