Exponents of Fractions

Name: _____   Score: _____

Calculate and give your answers in the lowest possible terms.

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

$$\left(\frac{1}{4}\right)^2 = \qquad\qquad \left(\frac{1}{6}\right)^3 = \qquad\qquad \left(-\frac{1}{5}\right)^2 =$$

$$\left(\frac{1}{6}\right)^2 = \qquad\qquad \left(\frac{1}{5}\right)^3 = \qquad\qquad \left(\frac{1}{3}\right)^3 =$$

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

$$\left(\frac{1}{8}\right)^3 = \qquad\qquad \left(-\frac{2}{3}\right)^3 = \qquad\qquad \left(\frac{2}{7}\right)^2 =$$

$$\left(\frac{3}{6}\right)^3 = \qquad\qquad \left(\frac{4}{6}\right)^5 = \qquad\qquad \left(-\frac{3}{9}\right)^3 =$$

$$\left(\frac{2}{4}\right)^6 = \qquad\qquad \left(\frac{5}{8}\right)^3 = \qquad\qquad \left(\frac{1}{9}\right)^1 =$$

Answers

Calculate and give your answers in the lowest possible terms.

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

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

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

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

$$\left(\frac{1}{6}\right)^3 = \frac{1}{216}$$

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

$$\left(\frac{1}{6}\right)^2 = \frac{1}{36}$$

$$\left(\frac{1}{5}\right)^3 = \frac{1}{125}$$

$$\left(\frac{1}{3}\right)^3 = \frac{1}{27}$$

$$\left(-\frac{1}{2}\right)^5 = -\frac{1}{32}$$

$$\left(\frac{4}{5}\right)^2 = \frac{16}{25}$$

$$\left(\frac{4}{7}\right)^3 = \frac{64}{343}$$

$$\left(\frac{1}{8}\right)^3 = \frac{1}{512}$$

$$\left(-\frac{2}{3}\right)^3 = -\frac{8}{27}$$

$$\left(\frac{2}{7}\right)^2 = \frac{4}{49}$$

$$\left(\frac{3}{6}\right)^3 = \frac{1}{8}$$

$$\left(\frac{4}{6}\right)^5 = \frac{32}{243}$$

$$\left(-\frac{3}{9}\right)^3 = -\frac{1}{27}$$

$$\left(\frac{2}{4}\right)^6 = \frac{1}{64}$$

$$\left(\frac{5}{8}\right)^3 = \frac{125}{512}$$

$$\left(\frac{1}{9}\right)^1 = \frac{1}{9}$$