

# Negative Exponents of Fractions

Name: \_\_\_\_\_ Score: \_\_\_\_\_

Calculate the following negative exponents.

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

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

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

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

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

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

$$\left(\frac{1}{4}\right)^{-3} =$$

$$\left(\frac{1}{5}\right)^{-4} =$$

$$\left(\frac{1}{3}\right)^{-4} =$$

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

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

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

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

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

$$\left(\frac{5}{15}\right)^{-2} =$$

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

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

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

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

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

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

# Answers

Calculate the following negative exponents.

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

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

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

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

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

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

$$\left(\frac{1}{4}\right)^{-3} = 64$$

$$\left(\frac{1}{5}\right)^{-4} = 625$$

$$\left(\frac{1}{3}\right)^{-4} = 81$$

$$\left(-\frac{3}{6}\right)^{-6} = 64$$

$$\left(\frac{1}{8}\right)^{-2} = 64$$

$$\left(\frac{2}{8}\right)^{-4} = 256$$

$$\left(\frac{3}{6}\right)^{-5} = 32$$

$$\left(-\frac{1}{3}\right)^{-5} = -243$$

$$\left(\frac{5}{15}\right)^{-2} = 9$$

$$\left(\frac{3}{12}\right)^{-3} = 64$$

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

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

$$\left(\frac{1}{2}\right)^{-8} = 256$$

$$\left(\frac{1}{9}\right)^{-3} = 729$$

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