

# Negative Exponents of Fractions

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

Calculate the following negative exponents.

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

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

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

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

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

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

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

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

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

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

$$\left(\frac{8}{16}\right)^{-3} =$$

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

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

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

$$\left(\frac{6}{18}\right)^{-2} =$$

$$\left(\frac{4}{16}\right)^{-3} =$$

$$\left(\frac{1}{7}\right)^{-1} =$$

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

$$\left(\frac{6}{12}\right)^{-8} =$$

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

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

# Answers

Calculate the following negative exponents.

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

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

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

$$\left(\frac{1}{7}\right)^{-2} = 49$$

$$\left(\frac{2}{6}\right)^{-2} = 9$$

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

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

$$\left(\frac{1}{4}\right)^{-4} = 256$$

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

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

$$\left(\frac{8}{16}\right)^{-3} = 8$$

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

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

$$\left(-\frac{2}{4}\right)^{-5} = -32$$

$$\left(\frac{6}{18}\right)^{-2} = 9$$

$$\left(\frac{4}{16}\right)^{-3} = 64$$

$$\left(\frac{1}{7}\right)^{-1} = 7$$

$$\left(-\frac{3}{15}\right)^{-3} = -125$$

$$\left(\frac{6}{12}\right)^{-8} = 256$$

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

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