



POTENCIAS DE EXPONENTE ENTERO

1. Escribe las siguientes potencias con exponente positivo:

$$a) 7^{-9} = \left(\frac{\square}{\square}\right)^{\square}$$

$$d) (-5)^{-12} = \left(\frac{\square}{\square}\right)^{\square}$$

$$g) \left(\frac{13}{20}\right)^{-11} = \left(\frac{\square}{\square}\right)^{\square}$$

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

$$e) \left(-\frac{9}{7}\right)^{-5} = \left(\frac{\square}{\square}\right)^{\square}$$

$$h) \left(\frac{1}{9}\right)^{-8} = \left(\frac{\square}{\square}\right)^{\square}$$

$$c) (-3)^{-11} = \left(\frac{\square}{\square}\right)^{\square}$$

$$f) \left(-\frac{3}{5}\right)^{-4} = \left(\frac{\square}{\square}\right)^{\square}$$

$$i) \left(-\frac{7}{15}\right)^{-1} = \left(\frac{\square}{\square}\right)^{\square}$$

2. Calcula el valor de las siguientes potencias:

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

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

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

$$b) (-7)^3 = \left(\frac{\square}{\square}\right)$$

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

$$h) \left(\frac{9}{4}\right)^{-3} = \left(\frac{\square}{\square}\right)$$

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

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

$$i) (-6)^0 = \left(\frac{\square}{\square}\right)$$

3. Expresa como una sola potencia de exponente positivo:

$$a) (-11)^{-3} : (-11)^{-9} = \left(\frac{\square}{\square}\right)^{\square}$$

$$e) (-2)^{-6} \cdot (-3)^{-6} \cdot 5^{-6} = \left(\frac{\square}{\square}\right)^{\square}$$

$$b) \left(-\frac{1}{7}\right)^{-32} \cdot \left(-\frac{1}{7}\right)^{41} = \left(\frac{\square}{\square}\right)^{\square}$$

$$f) \left(\frac{7}{20}\right)^{16} \cdot \left(\frac{20}{7}\right)^{-8} \cdot \left(\frac{7}{20}\right)^{-5} = \left(\frac{\square}{\square}\right)^{\square}$$

$$c) \left(\frac{6}{17}\right)^7 \div \left(\frac{6}{17}\right)^{-3} = \left(\frac{\square}{\square}\right)^{\square}$$

$$g) \left(\frac{2}{5}\right)^{-17} \cdot \left(\frac{1}{4}\right)^{-17} \cdot \left(\frac{10}{3}\right)^{-17} = \left(\frac{\square}{\square}\right)^{\square}$$

$$d) [(-6)^{-9}]^4 = \left(\frac{\square}{\square}\right)^{\square}$$

$$h) (-2)^{-7} \cdot \frac{[(-2)^2 \cdot (-2)^{-7} \cdot (-2)^{-1}]^3}{[(-2)^{-5} \cdot (-2)^{10} \cdot (-2)^9]^{-2}} = \left(\frac{\square}{\square}\right)^{\square}$$