

## Lösungen zu den Übungen zu negativen Potenzen mit Zahlen

$2^{-4}$	$\frac{1}{2^4} = \frac{1}{16}$
$3^{-2}$	$\frac{1}{3^2} = \frac{1}{9}$
$4^{-1}$	$\frac{1}{4^1} = \frac{1}{4}$
$6^{-3}$	$\frac{1}{6^3} = \frac{1}{216}$
$5^{-4}$	$\frac{1}{5^4} = \frac{1}{625}$
$(-2)^{-2}$	$\frac{1}{(-2)^2} = \frac{1}{4}$
$(-3)^{-3}$	$\frac{1}{(-3)^3} = -\frac{1}{27}$
$(-1)^{-27}$	$\frac{1}{(-1)^{27}} = \frac{1}{-1} = -1$
$(-4)^{-4}$	$\frac{1}{(-4)^4} = \frac{1}{256}$
$(-5)^{-1}$	$\frac{1}{(-5)^1} = -\frac{1}{5}$
$\left(\frac{1}{7}\right)^{-2}$	$\left(\frac{7}{1}\right)^2 = 49$
$\left(\frac{2}{3}\right)^{-2}$	$\left(\frac{3}{2}\right)^2 = \frac{9}{4}$
$\left(\frac{4}{5}\right)^{-3}$	$\left(\frac{5}{4}\right)^3 = \frac{125}{64}$