

Potenzieren von negativen Zahlen

Arbeitsblatt

$(-4)^3 = (-4) \cdot (-4) \cdot (-4) = -64$
$(-5)^4 =$
$(-3)^2 =$
$(-2)^6 =$
$(-6)^3 =$

$(-3)^2 \cdot (-3) = (-3)^3 = -27$
$(-2)^3 \cdot (-2)^2 =$
$(-5)^2 \cdot (-5)^2 =$
$(-4)^1 \cdot (-4)^3 =$
$(-1) \cdot (-1)^4 =$

$\left(-\frac{2}{3}\right)^3 = \left(-\frac{2}{3}\right) \cdot \left(-\frac{2}{3}\right) \cdot \left(-\frac{2}{3}\right) = -\frac{8}{27}$
$\left(-\frac{1}{8}\right)^2 =$
$\left(-\frac{2}{5}\right)^3 =$
$\left(-\frac{1}{3}\right)^4 =$
$\left(-\frac{3}{4}\right)^3 =$

$\left(-\frac{1}{4}\right)^2 \cdot \left(-\frac{1}{4}\right) = \left(-\frac{1}{4}\right)^3 = -\frac{1^3}{4^3} = -\frac{1}{64}$
$\left(-\frac{2}{3}\right)^4 \cdot \left(-\frac{2}{3}\right) =$
$\left(-\frac{3}{4}\right) \cdot \left(-\frac{3}{4}\right)^3 =$
$\left(-\frac{1}{2}\right)^5 \cdot \left(-\frac{1}{2}\right)^2 =$
$\left(-\frac{2}{5}\right)^3 \cdot \left(-\frac{2}{5}\right) =$

$(-1,5)^2 = (-1,5) \cdot (-1,5) = +2,25$
$(-3,7)^2 =$
$(-2,5)^3 =$
$(-5,6)^2 =$
$(-1,8)^3 =$

$(-4)^2 + (-2)^3 - (-3)^2 = 16 - 8 - 9 = -1$
$(-3)^2 + (-4)^3 + (-5)^2 =$
$(-3)^3 - (-2)^4 + (-2)^2 =$
$(-1)^{13} + (-1)^6 + (-1)^{17} =$
$(-6)^2 - (-3)^3 + (-2)^4 =$

-1	$-\frac{32}{243}$	+625	-	$-\frac{8}{125}$	-30	$+\frac{16}{625}$	+625	+13,69	+64	$-\frac{27}{64}$	-1
-216	-39	$+\frac{1}{64}$	-32	-5,832	$+\frac{81}{256}$	+9	+79	$+\frac{1}{81}$	$-\frac{1}{128}$	+31,36	+256