

Exponents

Write the power in repeated multiplication form.
Then find the value of the power.

$$\textcircled{1} 4^3 = 4 \cdot 4 \cdot 4 = \textcircled{64}$$

$$\textcircled{2} (-5)^3 = (-5)(-5)(-5) = \textcircled{-125}$$

Write the product using exponents.

$$\textcircled{3} (-3) \cdot (-3) \cdot (-3) \cdot (-3) \cdot m \cdot m = (-3)^4 m^2$$

Evaluate the expression.

$$\textcircled{4} 4^2 = 4 \cdot 4 = \textcircled{16}$$

$$\textcircled{5} -9^3 = -9 \cdot 9 \cdot 9 = \textcircled{-729}$$

$$\textcircled{6} \left(\frac{1}{3}\right)^4 = \frac{1}{3} \cdot \frac{1}{3} \cdot \frac{1}{3} \cdot \frac{1}{3} = \textcircled{\frac{1}{81}}$$