

BILANGAN BERPANGKAT YANG DIPANGKATKAN DAN PERPANGKATAN DARI SEBUAH PERKALIAN

NAMA :

KELAS :

BILANGAN BERPANGKAT YANG DIPANGKATKAN

Perhatikan Contoh berikut !

$$\begin{aligned}(2^3)^2 &= (2^3) \times (2^3) \\ &= (2 \times 2 \times 2) \times (2 \times 2 \times 2) \\ &= 2 \times 2 \times 2 \times 2 \times 2 \times 2 \\ &= 2^6 \\ &= 64\end{aligned}$$

Atau

$$\begin{aligned}(2^3)^2 &= 2^{3 \times 2} \\ &= 2^6 \\ &= 64\end{aligned}$$

PERPANGKATAN DARI SEBUAH PERKALIAN

Perhatikan Contoh berikut !

$$\begin{aligned}(2 \times 3)^3 &= (2 \times 3) \times (2 \times 3) \times (2 \times 3) \\ &= 2 \times 2 \times 2 \times 3 \times 3 \times 3 \\ &= 2^3 \times 3^3 \\ &= 8 \times 27 \\ &= 216\end{aligned}$$

Atau

$$\begin{aligned}(2 \times 3)^3 &= 2^3 \times 3^3 \\ &= 8 \times 27 \\ &= 216\end{aligned}$$

PERPANGKATAN DARI SEBUAH PEMBAGIAN

Perhatikan Contoh berikut !

$$\begin{aligned}\left(\frac{2}{3}\right)^4 &= \left(\frac{2}{3}\right) \times \left(\frac{2}{3}\right) \times \left(\frac{2}{3}\right) \times \left(\frac{2}{3}\right) \\ &= \frac{2}{3} \times \frac{2}{3} \times \frac{2}{3} \times \frac{2}{3} \\ &= \frac{2 \times 2 \times 2 \times 2}{3 \times 3 \times 3 \times 3} \\ &= \frac{2^4}{3^4} \\ &= \frac{16}{81}\end{aligned}$$

Atau

$$\begin{aligned}\left(\frac{2}{3}\right)^4 &= \frac{2^4}{3^4} = \frac{16}{81}\end{aligned}$$

LATIHAN SOAL

Silakan kerjakan soal-soal berikut, tanda perkalian (x) menggunakan huruf x kecil

$$1. (3^3)^3 = \boxed{}^{\boxed{}} = \boxed{}^{\boxed{}} = \boxed{}$$

$$2. (5^3)^2 = \boxed{}^{\boxed{}} = \boxed{}^{\boxed{}} = \boxed{}$$

$$3. (p^5)^2 = \boxed{}^{\boxed{}} = \boxed{}^{\boxed{}}$$

$$4. (p^3 q^5)^2 = \boxed{p}^{\boxed{}} \times \boxed{}^{\boxed{}} = \boxed{}^{\boxed{}} \boxed{}^{\boxed{}}$$

$$5. (5 \times 3)^2 = \boxed{}^{\boxed{}} \times \boxed{}^{\boxed{}} = \boxed{} \times \boxed{} = \boxed{}$$

$$6. (4 \times 2)^3 = \boxed{}^{\boxed{}} \times \boxed{}^{\boxed{}} = \boxed{} \times \boxed{} = \boxed{}$$

$$7. \left(\frac{2}{3}\right)^4 = \frac{\boxed{}^{\boxed{}}}{\boxed{}^{\boxed{}}} = \frac{\boxed{}}{\boxed{}}$$

$$8. \left(\frac{p}{q}\right)^5 = \frac{\boxed{}^{\boxed{}}}{\boxed{}^{\boxed{}}}$$

$$9. \left(\frac{2}{t}\right)^3 = \frac{\boxed{}^{\boxed{}}}{\boxed{}^{\boxed{}}} = \frac{\boxed{}}{\boxed{}^{\boxed{}}}$$

KLICK *FINISH*
JIKA SUDAH SELESAI